

ANGELO STATE UNIVERSITY



UNDERGRADUATE AND
GRADUATE BULLETIN
2001-2003

SAN ANGELO, TEXAS

November 2000	Volume LXXII, Number 1	10,000
April 2001	Volume LXXII, Number 2	5,000
July 2001	Volume LXXII, Number 3	5,000
September 2001	Volume LXXII, Number 4	5,000
November 2001	Volume LXXIII, Number 1	5,000
April 2002	Volume LXXIII, Number 2	5,000
July 2002	Volume LXXIII, Number 3	5,000
September 2002	Volume LXXIII, Number 4	<u>5,000</u>
		45,000

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners
P.O. Box 430
Austin, TX 78767-0430
512-305-7400

National League for Nursing Accrediting Commission
61 Broadway, New York, NY 10006
Telephone: 212-363-5555 ext. 153
Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

November 2000

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

April 2001

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

July 2001

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

September 2001

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

November 2001

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

April 2002

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

July 2002

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

ACCREDITATION

Angelo State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at these levels: associate, baccalaureate, and master's.

Angelo State University, through its College of Business and Professional Studies, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) for the offering of the following degree programs: (1) At the graduate level, the Master of Business Administration (MBA); and (2) At the undergraduate level, the Bachelor of Business Administration (BBA) degree.

All Nursing programs at Angelo State University are accredited by the Board of Nursing Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners
P.O. Box 430
Austin, TX 78767-0430
512-305-7400

National League for Nursing Accrediting Commission
61 Broadway, New York, NY 10006
Telephone: 212-363-5555 ext. 153
Facsimile: 212-812-0390 Website: www.nlnac.org

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Angelo State University, on any basis prohibited by applicable law, including, but not limited to, race, color, national origin, religion, sex, or disability.

NOTICE

The policies, regulations, procedures, and fees in this *Bulletin* are subject to change without prior notice, if necessary, to keep University policies in compliance with State and federal laws, the rules and regulations of the Board of Regents, Texas State University System, or the educational objectives of the University.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this *Bulletin* do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Angelo State University.

Vol. LXXII, Number 1

November 2002

A BULLETIN OF ANGELO STATE UNIVERSITY

(USPS 073000) is published April, July, September, and November by Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909. Periodical postage paid at San Angelo, Texas. POSTMASTER: Send address changes to the Office of Admissions, Angelo State University, 2601 West Avenue N, San Angelo, Texas 76909.

DIRECTORY

SELECTED ADMINISTRATIVE OFFICES

Requests for information should be directed to the offices shown below. Mail may be addressed to the appropriate office at Angelo State University, ASU Station, San Angelo, Texas 76909.

Office	Telephone (AC 915)
Academic Affairs.....	942-2165
Academic Deans	
College of Business and Professional Studies.....	942-2337
College of Liberal and Fine Arts	942-2162
College of Sciences	942-2024
Graduate School	942-2169
School of Education.....	942-2052
Admissions and Retention	942-2041
Athletics	
Men.....	942-2091
Women	942-2264
Carr Academic Scholarship Office.....	942-2246
Educational Opportunity Services.....	942-2399
Financial Aid	942-2246
Fiscal Office	942-2014
Housing.....	942-2035
Information Technology.....	942-2333
Library	942-2222
President.....	942-2073
Registrar.....	942-2043
ROTC-Air Force	942-2036
Student Life.....	942-2191
University Relations and Development	942-2116

INFORMATION

For questions related to general education, contact the Registrar's Office at (915) 942-2043.

For questions related to academic matters in the major or minor discipline, contact the appropriate department.

Discipline	Telephone Number
Accounting.....	942-2046
Animal Science.....	942-2027
Art.....	942-2085
Biochemistry.....	942-2181
Biology.....	942-2189
Business.....	942-2383
Chemistry.....	942-2181
Communication.....	942-2031
Computer Science.....	942-2101
Criminal Justice.....	942-2262
Drama.....	942-2031
Economics.....	942-2046
Elementary Education.....	942-2052
(Educational Diagnostics, Guidance and Counseling, Interdisciplinary Child Development and Learning, Instructional Technology, Reading, Reading Specialist, School Administration, Special Education)	
English.....	942-2273
Finance.....	942-2046
French.....	942-2244
German.....	942-2244
Government.....	942-2262
History.....	942-2324
International Studies.....	942-2262
Journalism.....	942-2031
Kinesiology.....	942-2173
Management.....	942-2383
Marketing.....	942-2383
Mathematics.....	942-2111
Medical Technology.....	942-2189
Music.....	942-2085
Nursing.....	942-2224
Physical Therapy.....	942-2545
Physics.....	942-2242
Pre-engineering.....	942-2242
Psychology.....	942-2068
Public Administration.....	942-2262
Sociology.....	942-2068
Spanish.....	942-2244

TABLE OF CONTENTS

University Calendar.....	7
The Administration.....	16
The Faculty	20
General Information	42
The City of San Angelo	42
History of the University	42
Mission Statement	44
Admission to the University	46
Student Financial Aid.....	91
Student Life Programs and Services.....	119
Division of Continuing Studies	127
Academic Regulations.....	129
Academic Services	175
Inventory of Academic Programs.....	178
Academic Organization	181
College of Business & Professional Studies.....	182
Department of Accounting, Economics, and Finance	183
Department of Aerospace Studies	192
Department of Business Administration (Business, Management, and Marketing)	196
Department of Computer Science.....	206
Department of Kinesiology	211
College of Liberal and Fine Arts.....	218
Department of Art and Music.....	219
Department of Communications, Drama, and Journalism	233
Department of English	247
Department of Government (including Criminal Justice and Philosophy).....	254
Department of History (including Geography).....	264
Department of Modern Languages (French, German, Spanish, Linguistics, and Russian).....	271
Department of Psychology and Sociology.....	279
College of Sciences.....	288
Department of Agriculture.....	289
Department of Biology	296

Department of Chemistry and Biochemistry	306
Department of Mathematics.....	313
Department of Nursing.....	320
Department of Physical Therapy	338
Department of Physics (including Astronomy, Geology, and Physical Science)	339
School of Education	348
University Studies Program	361
Ethnic Studies.....	362
Graduate School.....	363
The Graduate Council.....	364
The Graduate Faculty.....	365
The Nature and Purpose of Graduate Work	374
Degrees and Areas of Study.....	375
Graduate Scholarships and Assistantships.....	376
Graduate School General Requirements	378
General Admission Requirements	379
Other Graduate School Policies.....	384
General Degree Requirements	390
College of Business and Professional Studies	392
Department of Accounting, Economics, and Finance	393
Department of Business Administration	397
Department of Kinesiology.....	401
College of Liberal and Fine Arts	404
Department of Communications, Drama, and Journalism..	405
Department of English.....	409
Department of Government.....	412
Department of History	416
Department of Modern Languages.....	420
Department of Psychology and Sociology	422
College of Sciences	429
Department of Agriculture	430
Department of Biology	434
Department of Chemistry and Biochemistry.....	438
Department of Nursing	440
Department of Physical Therapy.....	444
School of Education.....	458
Special Degree Program	470

UNIVERSITY CALENDAR

2001-2002 ACADEMIC YEAR

FALL SEMESTER: August 27, 2001 through December 14, 2001.

FIRST EIGHT WEEK SESSION: August 27, 2001 through October 19, 2001.

SECOND EIGHT WEEK SESSION: October 22, 2001 through December 14, 2001.

JULY 16, MONDAY: Last day to submit graduate application and all required documents to be eligible to register for the Fall Semester.

AUGUST 10, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Fall Semester.

AUGUST 23-24, THURSDAY-FRIDAY: New International Student Orientation.

AUGUST 24, FRIDAY: Faculty-Staff Convocation.

AUGUST 27, MONDAY: Classes, schedule changes, and late registration begin. International student insurance deadline.

AUGUST 30, THURSDAY: Last day to register or make schedule changes.

SEPTEMBER 3, MONDAY: Holiday.

SEPTEMBER 10, MONDAY: Obtain Student Teaching applications for the Spring 2002 Semester; meetings at 11 a.m., 3 p.m., or 6 p.m.

SEPTEMBER 28, FRIDAY: Last day to drop a First Eight Week course and receive a W.

SEPTEMBER 29, SATURDAY: Family Day.

OCTOBER 8, MONDAY: Last day applications will be accepted for Student Teaching in the Spring 2002 Semester (CARR 145 - deadline 4 p.m.).

OCTOBER 16, TUESDAY: Last day to drop a First Eight Week course.

OCTOBER 19, FRIDAY: Midterm. Last day to file applications for graduation by candidates who expect to complete degree requirements in December 2001.

OCTOBER 20, SATURDAY: Homecoming.

OCTOBER 26, FRIDAY: Last day to drop a course and receive a W.

NOVEMBER 14, WEDNESDAY: Last day for graduate students to schedule the Comprehensive Examination or thesis defense.

NOVEMBER 21, WEDNESDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean. Last day to drop a Second Eight Week course and receive a *W*.

NOVEMBER 22-23, THURSDAY-FRIDAY: Thanksgiving Holidays.

NOVEMBER 26, MONDAY: Student Teaching meeting to obtain Spring 2002 Semester public school placements, 6 p.m.

NOVEMBER 28, WEDNESDAY: Last day to drop a course or withdraw from the University.

DECEMBER 3-7, MONDAY-FRIDAY: Laboratory examinations. No examinations in lecture classes.

DECEMBER 10-14, MONDAY-FRIDAY: Final Examinations.

DECEMBER 14, FRIDAY: Graduation. Last day for Physical Therapy applicants to complete application to Graduate School.

SPRING SEMESTER: January 14, 2002 through May 10, 2002

FIRST EIGHT WEEK SESSION: January 14, 2002 through March 8, 2002

SECOND EIGHT WEEK SESSION: March 18, 2002 through May 10, 2002

DECEMBER 10, MONDAY: Last day to submit graduate application and all required documents to be eligible to register for the Spring Semester.

DECEMBER 14, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Spring Semester.

JANUARY 11, FRIDAY: Faculty-Staff Convocation.

JANUARY 14, MONDAY: Classes, schedule changes, and late registration begin. International student insurance deadline.

JANUARY 17, THURSDAY: Last day to register or make schedule changes.

JANUARY 18, FRIDAY: Last day for Physical Therapy, Stage II, applications to be received by the Physical Therapy Department.

JANUARY 21, MONDAY: Holiday.

FEBRUARY 4, MONDAY: Obtain Student Teaching applications for the Fall 2002 Semester; meetings at 11 a.m., 3 p.m., or 6 p.m.

FEBRUARY 15, FRIDAY: Last day to drop a First Eight Week course and receive a *W*.

MARCH 4, MONDAY: Last day applications will be accepted for Student Teaching in the Fall 2002 Semester (CARR 145 - deadline 4 p.m.).

MARCH 5, TUESDAY: Last day to drop a First Eight Week course.

MARCH 8, FRIDAY: Midterm. Last day to file applications for graduation by candidates who expect to complete degree requirements in May 2002.

MARCH 11-15, MONDAY-FRIDAY: Spring Break.

MARCH 22, FRIDAY: Last day to drop a course and receive a *W*.

MARCH 29, FRIDAY: Holiday.

APRIL 11, THURSDAY: Last day for graduate students to schedule the Comprehensive Examination or thesis defense.

APRIL 18, THURSDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean. Last day to drop a Second Eight Week course and receive a *W*.

APRIL 24, WEDNESDAY: Last day to drop a course or withdraw from the University.

APRIL 29, MONDAY: Student Teaching meeting to obtain Fall 2002 Semester public school placements, 6 p.m.

APRIL 29 - MAY 3, MONDAY-FRIDAY: Laboratory examinations. No examinations in lecture classes.

MAY 6-10, MONDAY-FRIDAY: Final Examinations.

MAY 10, FRIDAY: Graduation.

2002 SUMMER SESSION CALENDAR

PREVIEW ASU: Dates to be announced.

FIRST SUMMER TERM: May 28, 2002 through July 3, 2002.

APRIL 29, MONDAY: Last day to submit graduate application and all required documents to be eligible for the First Summer Term.

MAY 10, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the First Summer Term.

MAY 27, MONDAY: Holiday.

MAY 28, TUESDAY: Classes, schedule changes, and late registration begin.

MAY 29, WEDNESDAY: Last day to register or make schedule changes.

JUNE 13, THURSDAY: Last day to file applications for graduation by candidates who expect to complete degree requirements in August 2002.

JUNE 14, FRIDAY: Last day to drop a course and receive a *W*.

JUNE 28, FRIDAY: Last day to drop a course or withdraw from the University.

JULY 3, WEDNESDAY: Final Examinations.

JULY 4, THURSDAY: Holiday.

SECOND SUMMER TERM: July 5, 2002 through August 9, 2002.

MAY 28, TUESDAY: Last day to submit graduate application and all required documents to eligible to register for the Second Summer Term.

JUNE 21, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Second Summer Term.

JULY 5, FRIDAY: Classes, schedule changes, and late registration begin.

JULY 8, MONDAY: Last day to register or make schedule changes.

JULY 11, THURSDAY: Last day for graduate students to schedule the Comprehensive Examination or thesis defense.

JULY 18, THURSDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean.

JULY 24, WEDNESDAY: Last day to drop a course and receive a *W*.

AUGUST 7, WEDNESDAY: Last day to drop a course or withdraw from the University.

AUGUST 9, FRIDAY: Final Examinations. Graduation.



2002-2003 ACADEMIC YEAR

FALL SEMESTER: August 26, 2002 through December 13, 2002.

FIRST EIGHT WEEK SESSION: August 26, 2002 through October 18, 2002.

SECOND EIGHT WEEK SESSION: October 21, 2002 through December 13, 2002.

JULY 15, MONDAY: Last day to submit graduate application and all required documents to be eligible to register for the Fall Semester.

AUGUST 9, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Fall Semester.

AUGUST 22-23, THURSDAY-FRIDAY: New International Student Orientation.

AUGUST 23, FRIDAY: Faculty-Staff Convocation.

AUGUST 26, MONDAY: Classes, schedule changes, and late registration begin. International student insurance deadline.

AUGUST 29, THURSDAY: Last day to register or make schedule changes.

SEPTEMBER 2, MONDAY: Holiday.

SEPTEMBER 9, MONDAY: Obtain Student Teaching applications for the Spring 2003 Semester; meetings at 11 a.m., 3 p.m., or 6 p.m.

SEPTEMBER 21, SATURDAY: Family Day.

SEPTEMBER 27, FRIDAY: Last day to drop a First Eight Week course and receive a *W*.

OCTOBER 7, MONDAY: Last day applications will be accepted for Student Teaching in the Spring 2003 Semester (CARR 145 - deadline 4 p.m.).

OCTOBER 12, SATURDAY: Homecoming.

OCTOBER 15, TUESDAY: Last day to drop a First Eight Week course.

OCTOBER 18, FRIDAY: Midterm. Last day to file applications for graduation by candidates who expect to complete degree requirements in December 2002.

OCTOBER 25, FRIDAY: Last day to drop a course and receive a *W*.

NOVEMBER 13, WEDNESDAY: Last day for graduate students to schedule the Comprehensive Examination or thesis defense.

NOVEMBER 20, WEDNESDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean. Last day to drop a Second Eight Week course and receive a *W*.

NOVEMBER 21-22, THURSDAY-FRIDAY: Thanksgiving Holidays.

NOVEMBER 25, MONDAY: Student Teaching meeting to obtain Spring 2003 Semester public school placements, 6 p.m.

NOVEMBER 27, WEDNESDAY: Last day to drop a course or withdraw from the University.

DECEMBER 2-6, MONDAY-FRIDAY: Laboratory examinations. No examinations in lecture classes.

DECEMBER 9-13, MONDAY-FRIDAY: Final Examinations.

DECEMBER 13, FRIDAY: Graduation. Last day for Physical Therapy applicants to complete the application to the Graduate School.

SPRING SEMESTER: January 13, 2003 through May 9, 2003.

FIRST EIGHT WEEK SESSION: January 13, 2003 through March 7, 2003.

SECOND EIGHT WEEK SESSION: March 17, 2003 through May 9, 2003.

DECEMBER 9, MONDAY: Last day to submit graduate application and all required documents to be eligible to register for the Spring Semester.

DECEMBER 13, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Spring Semester.

JANUARY 10, FRIDAY: Faculty-Staff Convocation.

JANUARY 13, MONDAY: Classes, schedule changes, and late registration begin. Last day for Physical Therapy, Stage II, applications to be received by the Physical Therapy Department. International student insurance deadline.

JANUARY 16, THURSDAY: Last day to register or make schedule changes.

JANUARY 20, MONDAY: Holiday.

FEBRUARY 3, MONDAY: Obtain Student Teaching applications for the Fall 2003 Semester; meetings at 11 a.m., 3 p.m., or 6 p.m.

FEBRUARY 14, FRIDAY: Last day to drop a First Eight Week course and receive a *W*.

MARCH 3, MONDAY: Last day applications will be accepted for Student Teaching in the Fall 2003 Semester.

MARCH 4, TUESDAY: Last day to drop a First Eight Week course.

MARCH 7, FRIDAY: Midterm. Last day to file applications for graduation by candidates who expect to complete degree requirements in May 2003.

MARCH 10-14, MONDAY-FRIDAY: Spring Break.

MARCH 21, FRIDAY: Last day to drop a course and receive a *W*.

APRIL 10, THURSDAY: Last day for graduate students to schedule the Comprehensive Examination or the thesis defense.

APRIL 17, THURSDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean. Last day to drop a Second Eight Week course and receive a *W*.

APRIL 18, FRIDAY: Holiday.

APRIL 23, WEDNESDAY: Last day to drop a course or withdraw from the University.

APRIL 28, MONDAY: Student Teaching meeting to obtain Fall 2003 Semester public school placements, 6 p.m.

APRIL 28-MAY 2, MONDAY-FRIDAY: Laboratory examinations. No examinations in lecture classes.

MAY 5-9, MONDAY-FRIDAY: Final Examinations.

MAY 9, FRIDAY: Graduation.

2003 SUMMER SESSION

PREVIEW ASU: Dates to be announced.

FIRST SUMMER TERM: May 27, 2003 through July 2, 2003.

APRIL 28, MONDAY: Last day to submit graduate application and all required documents to be eligible to register for the First Summer Term.

MAY 9, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the First Summer Term.

MAY 26, MONDAY: Holiday

MAY 27, TUESDAY: Classes, schedule changes, and late registration begin.

MAY 28, WEDNESDAY: Last day to register or make schedule changes.

JUNE 12, THURSDAY: Last day to file applications for graduation by candidates who expect to complete degree requirements in August 2003.

JUNE 13, FRIDAY: Last day to drop a course and receive a *W*.

JUNE 27, FRIDAY: Last day to drop a course or withdraw from the University.

JULY 2, WEDNESDAY: Final Examinations.

SECOND SUMMER TERM: July 11, 2003 through August 15, 2003

MAY 27, TUESDAY: Last day to submit graduate application and all required documents to be eligible to register for the Second Summer Term.

JUNE 20, FRIDAY: Last day to apply for undergraduate admission and be eligible to register for the Second Summer Term.

JULY 4, FRIDAY: Holiday.

JULY 11, FRIDAY: Classes, schedule changes, and late registration begin.

JULY 14, MONDAY: Last day to register or make schedule changes.

JULY 17, THURSDAY: Last day for graduate students to schedule the Comprehensive Examination or thesis defense.

JULY 24, THURSDAY: Last day for graduate students to take and pass the Comprehensive Examination. Last day to submit the thesis to the Graduate Dean.

JULY 30, WEDNESDAY: Last day to drop a course and receive a W.

AUGUST 13, WEDNESDAY: Last day to drop a course or withdraw from the University.

AUGUST 15, FRIDAY: Final Examinations. Graduation.

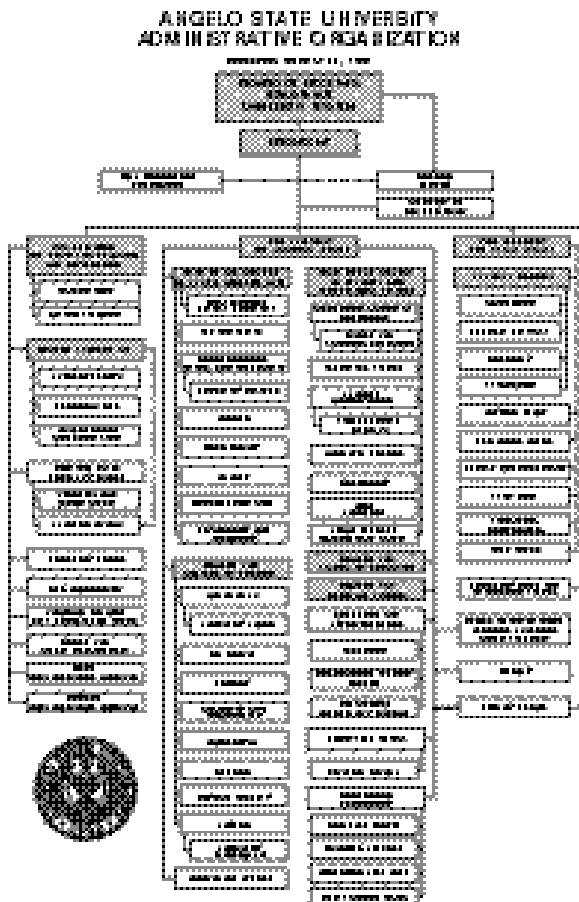


BOARD OF REGENTS

TEXAS STATE UNIVERSITY SYSTEM

NANCY R. NEAL, Chairman (2003)	Lubbock
DIONICIO FLORES, Vice Chairman (2005)	El Paso
PATRICIA DIAZ DENNIS (2005)	San Antonio
JOHN P. HAGEMAN (2003)	Austin
DAN S. HALLMARK (2001)	Beaumont
JAMES A. HAYLEY (2005)	Texas City
POLLYANNA A. STEPHENS (2001)	San Angelo
JAMES L. SWEATT III (2003)	Dallas
MACEDONIO VILLARREAL (2001)	Houston
LAMAR G. URBANOVSKY, Chancellor	

Note: Term expires in January of the year shown in parenthesis.



UNIVERSITY ADMINISTRATION 2000-2001

Administrative Officers

E. JAMES HINDMAN, Ph.D.....	President
DONALD V. COERS, Ph.D.....	Vice President for Academic Affairs
MICHAEL P. RYAN, M.A.	Vice President for University Relations and Development
ROBERT L. KRUPALA, B.B.A.....	Vice President for Fiscal Affairs
CAROL B. DIMINNIE, Ph.D.....	Dean of the Graduate School
ROSS E. HARRIS, B.B.A.....	Business Manager
DEBORRAH A. HEBERT, Ph.D.....	Dean of Student Life
ROBERT K. HEGGLUND, Ph.D.	Dean of the College of Business and Professional Studies
E. JAMES HOLLAND, Ph.D.	Dean of the College of Liberal and Fine Arts
DAVID H. LOYD, JR., Ph.D.....	Dean of the College of Sciences
JOHN J. MIAZGA, Ed.D.	Dean of the School of Education
JAMES A. OCKER, B.B.A.	Personnel Manager

Academic Department Heads

College of Business and Professional Studies

TOM F. BADGETT, Ph.D.	Department of Business Administration
DAVID G. BELL, M.S.....	Department of Aerospace Studies
MELANIE A. CROY, Ed.D.	Department of Kinesiology
CHARLES B. McCAMANT, Ph.D.....	Department of Computer Science
NORMAN A. SUNDERMAN, D.M.A.	Department of Accounting, Economics, and Finance

College of Liberal and Fine Arts

WILLIAM B. DAVIDSON, Ph.D.....	Department of Psychology and Sociology
JACK C. ELI, Ph.D.	Department of Communications, Drama, and Journalism
CHARLES A. ENDRESS, Ph.D.	Department of History
EDITH H. KRAUSE, Ph.D.	Department of Modern Languages
JAMES A. MOORE, Ph.D.	Department of English
EDWARD C. OLSON, Ph.D.	Department of Government
DAVID E. SCOTT, Ph.D.....	(Acting) Department of Art and Music

College of Sciences

BONNIE B. AMOS, Ph.D.	Department of Biology
JOHNNY M. BAILEY, Ph.D.	Department of Mathematics
KATHLEEN A. CEGLES, D.Ed.	Department of Physical Therapy
GILBERT R. ENGDAHL, Ph.D.	Department of Agriculture and Director of Management, Instruction, and Research Center
EDWARD L. RUSSELL, Ph.D.	Department of Nursing
GEORGE E. SHANKLE, Ph.D.	Department of Chemistry and Biochemistry
ANDREW B. WALLACE, Ph.D.	Department of Physics

Administrative Staff

ELAINE M. BEACH, M.B.A.	Customer Support Manager
HARRY BOWERS, M.B.A., C.PA.	Director of Internal Audit
WANA DEE BOX	Carr Foundation Records Manager
KATHLEEN L. BRASFIELD, M.A.T.	Director of Women's Athletics
DENISE H. BRODNAX, B.B.A., C.PA.	Budget Director and Investment Coordinator
BEDFORD P. CAIN III, B.A.	Director of Development
AUDREY CHAUMONT, B.S.	Assistant Director of Residence Life
PAMELA S. CLARK, M.B.A.	Director of the Small Business Development Center
JANET COLEMAN, B.B.A.	Accountant-Grants Manager
MARC L. COSSICH, B.S.	Chief of University Police and Director of Safety
MONIQUE G. COSSICH, B.S.	Director of Admissions and Retention
JOHN DAVEE, B.B.A., M.B.A.	Accountant-Billing Receivable Coordinator
DOUGLAS W. FOX, B.S.	Director of Technology
CONNIE H. FRAZIER, M.A.	Director of Residence Life
ARLENE D. FREATMAN, A.A.	Administrative Assistant to the Vice President for Fiscal Affairs
RICK E. GREIG, M.Ed.	Assistant Director-Programming, Houston Harte University Center
JAY HALBERT, B.B.A.	Director of Physical Plant Operations
SANDE V. HARRISON, B.A.	Director of Alumni Relations
M. L. STARK HINKLE, B.A., M.A.	Sports Information Director/Informational Specialist

YZELDA V. HINOJOSA	Administrative Assistant to the Vice President for Academic Affairs
MITZI R. KEELING, B.A.	Coordinator of Transfer Services/ International Student Advisor
PRESTON LEWIS, M.A.	Director of News and Information
SARAH LOGAN, M.S.	Director of Institutional Planning, Research, and Assessment
ANITA L. LOSHBOUGH, M.A.	Registrar
JOE E. MARTIN, B.S.	Chief Systems Analyst
MICHAEL W. MARTIN, A.A.	Director of Graphics
M. MARGARET MATA, B.B.A.	Purchasing Agent
NOLEN MEARS, M.A.	Associate Dean of Student Life
ADELINA C. MORALES, B.B.A.	Administrative Assistant to the President
LORRI E. MORRIS, B.B.A.	Associate Director of Admissions
SHIRLEY MORTON, A.A.	Administrative Assistant to the Vice President for University Relations and Development
JOE MUNOZ, J.D.	Assistant to the President
LAURA C. OOSTERVEEN, M.S.	Assistant Dean of Student Life
DEBORAH K. PALMER, M.A.	Director of Division of Continuing Studies
JAMES B. PARKER, B.B.A.	Director of Financial Aid
GREG G. PECINA, M.A.	Director of Houston Harte University Center
SCOTT A. PRINDES, M.B.A.	Property Manager and Assistant Purchasing Agent
JEFFREY H. RHODES, M.A.	Associate Registrar
DAVID C. ROSIPAL, B.A.	Assistant Director-Operations, Houston Harte University Center
JULIE J. RUTHENBECK, M.S.	Director of Center for Career Development
MARK T. SCHAFER, M.S.	Coordinator of Research, MIR Center
JEFFREY J. SEFCIK, M.B.A.	Computer Center Manager
ROBERT B. TAYLOR, B.S.	Risk Management Specialist
JERRY C. VANDERGRIF, M.Ed.	Director of Men's Athletics
LYN J. WHEELER, B.A.	Assistant Director of Financial Aid
S. KATY WILLIAMS, B.S.	Coordinator of Recruiting
CANDY M. WOODUL	Assistant Fiscal Office Supervisor- Appropriations Coordinator
ANGELINA WRIGHT, B.B.A.	Manager of Business Services

MAURICE G. FORTIN, M.L.S., M.A.Library Director
MARK A. ALLAN, M.S.L.S., J.D., B.S.B.A.Head, Reference
Department
BARBARA J. BERGMAN, M.A.L.I.S.....Media Librarian
WANDA GREEN, M.L.S.....Reference/Document
Delivery Librarian
JAVAD MAHER, M.L.I.S.....Acquisitions Librarian
JANETTA K. PASCHAL, M.L.S., B.A.Government Documents/
Reference Librarian
SHIRLEY R. RICHARDSON, M.L.S.....Catalog Librarian
ANGELA L. SKAGGS, M.L.S.....Circulation Librarian

AREA COORDINATORS

Tracy Baker, B.S., M.P.S.	Carr Hall, Mayer Hall, Runnels Hall, Women's High Rise
Luis Martinez,B.A., B.S.....	Men's High Rise Massie Residence Hall for Men
Robert J. Miller, M.PA.....	Rosemont Apartments, Vanderventer Apartments, Massie Residence Hall for Women



THE FACULTY

2000—2001

(G) indicates graduate faculty

Judith E. Adams (G) (1998) Ph.D., B.A., Texas Tech University M.A., University of Keele (England)	Assistant Professor of English
F. David Alexander (G) (1988) Ph.D., University of Oklahoma M.B.A., Southern Methodist University B.A., University of Texas at Austin	Professor of Management
Nancy G. Allen (G) (1984) Ph.D., M.A., Texas Tech University B.S., University of Texas at El Paso	Professor of English
Molly J. Allison (G) (1974) (1983) M.S.N., University of Texas at El Paso B.S.N., R.N., Texas Christian University	Assistant Professor of Nursing
Jay K. Amburgey (1969) Ph.D., M.S., Texas Tech University B.S., New Mexico State University	Professor of Mathematics
Bonnie B. Amos (G) (1987) Ph.D., University of Oklahoma M.S., B.S., Angelo State University	Professor of Biology and Head of the Department
Esteban C. Apodaca (1989) M.F.A., University of Arizona B.F.A., New Mexico State University	Assistant Professor of Art
Kathryn E. Artnak (G) (1996) Ph.D., University of Texas Health Science Center at San Antonio M.S.N., Catholic University of America B.S.N., Ball State University	Assistant Professor of Nursing
Philip E. Autry (1997) D.M.A., University of Oklahoma M.A., Middle Tennessee State University B.A., David Lipscomb University	Assistant Professor of Music
Tom F. Badgett (G) (1988) D.B.A., Indiana University M.B.A., B.B.A., Texas Christian University	Professor of Marketing and Head of the Department of Business Administration
Johnny M. Bailey (1968) Ph.D., M.A., B.A., University of Texas at Austin	Professor of Mathematics and Head of the Department

Margaret M. Balzer (G) (1996) Ph.D., M.S., B.S.N., University of Wisconsin-Madison	Associate Professor of Nursing
Thomas A. Bankston (G) (1974) Ph.D., University of Florida M.B.A., B.B.A., University of Texas at Austin	Professor of Finance
John N. Barbour (G) (1990) Ph.D., University of California at Santa Barbara M.A., B.S., San Jose State	Associate Professor of Government
Jana B. Barnard (1987) M.A.T., B.S., Angelo State University	Instructor in Mathematics
Koste A. Belcheff (1992) Ph.D., B.S.Ed., The Ohio State University M.M.Ed., University of Arizona	Professor of Music
David G. Bell (1998) M.S., Abilene Christian University M.A., Naval War College (R.I.) B.A., University of Texas at Arlington	Professor of Aerospace Studies and Head of the Department
David Lynn Bixler (G) (1998) Ph.D., M.A., Rice University B.S., Tarleton State University	Assistant Professor of Physics
Eldon U. Black (1954) D.M.A., University of Texas at Austin M.M.Ed., B.M., University of North Texas	Professor of Music
Alan P. Bloebaum (G) (1971) Ph.D., New Mexico State University B.A., University of Texas at Austin	Professor of Biology
Richard K. Bomgardner (1997) M.S., Fort Hays State University B.A., Wichita State University	Lecturer in Kinesiology and Head Athletic Trainer
Jeffrey G. Boone, (G) (1999) Ph.D., University of Tennessee M.A., Texas Tech University B.S., Murray State University	Assistant Professor of Journalism
Sally W. Brooks (2000) M.Ed., B.S., Midwestern State University	Lecturer in Kinesiology and Head Women's Basketball Coach
Kevin A. Boudreaux (1995) M.S., University of Texas at Austin B.S., Louisiana State University	Instructor in Chemistry

-
- Kathleen L. Brasfield (1978) Assistant Professor of
 M.A.T., Angelo State University Kinesiology, Director of Women's
 B.S., Hardin Simmons University Athletics, Women's Volleyball Coach
- Thomas W. Brown, Jr. (1997) Lecturer in Kinesiology and
 M.S., University of Tulsa Head Women's Soccer Coach
 B.S., Midwestern State University
- Kurt H. Buerger (G) (1983) Professor of Accounting
 Ph.D., University of Kentucky
 M.B.A., University of Minnesota
 M.S., University of Florida
 B.A., Dartmouth College
 C.P.A., C.M.A.
- Mandy A. Carr (G) (1999) Assistant Professor of Animal
 Ph.D. M.S., B.S., Texas Tech University Science and Research Scientist
 at the Management, Instruction,
 and Research Center
- Kathleen A. Cegles (G) (1999) Associate Professor of Physical
 D.Ed., M.Ed., Pennsylvania State University Therapy, Head of the
 B.S., Florida International University Department, and Program Director
- Sudhir K. Chawla (G) (1983) (1989) Professor of Marketing
 Ph.D., M.B.A., University of Texas at Arlington and Frank Junell
 Ph.D., National University of Ireland Professor in Business
 M.S., B.S., University of Bombay
- Diane T. Christian (1988) Instructor in English
 Ph.D., Texas Tech University
 M.A., University of Houston-Clear Lake City
 B.S., University of Houston-Victoria
- Pamela S. Clark (1996) Instructor in Management and
 M.B.A., B.B.A., Angelo State University Director of Small Business
 Development Center
- Melanie A. Croy (G) (1986) Professor of Kinesiology
 Ed.D., M.S., Oklahoma State University and Head of the Department
 B.S., B.S., Southwestern Oklahoma State University
- Terence A. Dalrymple (G) (1979) Professor of English
 Ph.D., Oklahoma State University
 M.A., B.A., Southwest Texas State University
- Mary C. Darr (1996) Professional Specialist in Nursing
 M.S.N., B.S.N., University of Texas at San Antonio
- William B. Davidson (G) (1993) Professor of Psychology and
 Ph.D., University of Texas at Austin Head of the Department of
 B.A., Trinity University Psychology and Sociology

-
- Ross C. Dawkins (G) (1970) Professor of Chemistry
Ph.D., University of Texas at Austin
B.S., Abilene Christian University
- Arnoldo DeLeon (G) (1973) Professor of History and
C.J. "Red" Davidson University
Ph.D., M.A., Texas Christian University
B.A., Angelo State University
Professor in History
- Neil J. Devereaux (1971) Professor of Spanish
Ph.D., University of Texas at Austin
M.A., University of California, Los Angeles
B.A., Brigham Young University
- Carol B. Diminnie (G) (1996) Professor of Management and
Dean of the Graduate School
Ph.D., B.S., St. Louis University
M.S., Michigan State University
M.B.A., St. Bonaventure University
- William M. Doll (1999) Associate Professor of Drama and
Director of the University Theatre
Ph.D., Texas Tech University
M.A., Texas Women's University
B.A., Fort Hays State University
- Robert C. Dowler (G) (1988) Professor of Biology and
Mr. and Mrs. Victor P. Tippet
Ph.D., Texas A&M University
M.A., Texas Tech University
B.S., The Ohio State University
Professor in Biology
- Charlotte M. Drone (1997) Professional Specialist in Nursing
M.S.N., University of Texas Health Science Center-San Antonio
B.S.N., Angelo State University
- Gloria A. Duarte (G) (1977) Professor of English
Ph.D., Texas Tech University
M.A.T., Angelo State University
B.A., Southwest Texas State University
- Suzanne M. Dusek (2000) Lecturer in Management and Small
Business Training Specialist
M.B.A., B.B.A., Angelo State University
- Tony R. Dutton (1970) Professor of Spanish
Ph.D., Cornell University
M.A., B.A., University of Texas at Austin
- Anna M. Dye (1988) Assistant Professor of Nursing
M.S.N., University of Texas at San Antonio
M.S., Angelo State University
B.S.N., Evansville College School of Nursing
- Ann M. Edwards (2000) Assistant Professor of Philosophy
Ph.D., M.A., University of Oklahoma
B.A., Wells College, Aurora, New York

Marilyn J. Eisenwine (G) (2000) Ph.D., University of Texas at Austin M.Ed., B.S.Ed., Texas Tech University	Assistant Professor of Education
Jack C. Eli (G) (1971) Ph.D., Southern Illinois University M.A., B.A., Murray State University (Kentucky)	Professor of Communication and Head of the Department of Communications, Drama, and Journalism
J. Christopher Ellery (G) (1990) Ph.D., Texas A&M University M.A., University of Arkansas B.F.A., Arkansas Tech University	Associate Professor of English
Charles A. Endress (G) (1969) Ph.D., M.A., Tulane University (Louisiana) B.A., Vanderbilt University (Tennessee)	Professor of History and Head of the Department
Gilbert R. Engdahl (G) (1976) Ph.D., M.S., B.S., Texas A&M University	Professor of Animal Science, Head of the Department of Agriculture, and Director of the Management, Instruction, and Research Center
Shirley M. Eoff (G) (1981) Ph.D., Texas Tech University M.A., Hardin Simmons University B.A., Howard Payne University	Professor of History
David A. Erickson (1999) M.B.A., Angelo State University B.B.A., University of Texas at Arlington	Lecturer in Management and Business Development Specialist
Joe Esposito (1998) M.S., United States Sport Academy B.S., Marist College	Lecturer in Kinesiology and Head Men's Basketball Coach
Noel D. Evans (1987) Ph.D., B.A., University of Texas at Austin	Professor of Mathematics
Johnny C. Fender (1994) M.B.A., Angelo State University M.P.A., Auburn University B.S., Virginia Polytechnic University	Instructor in Finance
Linda L. Ferguson (1993) M.S., Indiana Wesleyan University B.S.N., Abilene Christian University	Assistant Professor of Nursing
Gary Lee Fisher (2000) Ph.D., University of Arizona B.S., Iowa State University	Assistant Professor of Business Administration

Nick E. Flynn (G) (1998) Ph.D., B.S., Texas A&M University	Assistant Professor of Biochemistry
James N. Forbes (G) (1996) Ph.D., M.S., University of Florida B.A., B.S., University of Washington	Assistant Professor of Psychology
William Fuller (G) (1987) Ed.D., University of Northern Colorado M.S.S.W., University of Texas at Arlington B.A., Paul Quinn College	Assistant Professor of Psychology
Wrennah L. Gabbert (1997) M.S.N., B.S.N., University of Texas at Arlington	Professional Specialist in Nursing
Roberto M. Garza (G) (1988) Ph.D., M.A., Purdue University J.D., George Washington University B.A., University of Denver	Associate Professor of Government
Lula M. Goode (G) (1975) Ph.D., Colorado State University M.B.E., University of Mississippi B.S., University of Southern Mississippi	Professor of Business Administration
James C. Grenda (G) (1977) Ph.D., M.A., University of North Dakota M.S., B.A., Southern Illinois University	Professor of Geology
Michael T. Griffin (1990) M.S., B.S., Angelo State University	Instructor in Biology
Larry M. Guerrero (G) (1997) Ed.D., Oklahoma State University M.Ed., B.S., Oklahoma City University	Assistant Professor of Kinesiology
Marnita J. Guinn (1998) M.S.N., B.S.N., A.A.S., Angelo State University	Professional Specialist in Nursing
James G. Hademenos (G) (1970) Ph.D., Syracuse University (New York) M.A., University of South Dakota B.S., University of Houston	Professor of Education
Nancy J. Hadley (G) (1992) (1997) Ed.D., University of North Texas M.Ed., Angelo State University B.S., University of Texas at Austin	Assistant Professor of Education
Judith A. Hakes (G) (1985) Ph.D., University of Colorado M.A., B.A., University of Northern Colorado	Associate Professor of Education and John S. Cargile University Professor in Teacher Education

Sherry J. Halfmann (1990) M.S.N., University of Texas at San Antonio B.S.N., Angelo State University	Professional Specialist in Nursing
Robert L. Hamilton (1997) Ph.D., M.S., University of California at Los Angeles B.S., University of Puget Sound	Assistant Professor of Physics
Stephen L. Hammer (1995) M.A., B.S., Ball State University	Instructor in Communication
Leigh J. Harbin (G) (1999) Ph.D., M.A., University of Illinois M.S., B.S., Indiana University	Assistant Professor of English
Forrest W. Harlow, Jr. (G) (1983) Ph.D., University of North Texas M.B.A., B.B.A., University of Texas at Austin C.PA.	Professor of Finance and Nathan and Sylvia Donsky Professor in Business
Steven A. Harper (1997) Ph.D., University of Texas at Austin M.M., Northwestern University B.M., University of Louisville	Assistant Professor of Music
Mary Ellen Hartje (G) (1992) Ph.D., B.A., Baylor University M.A.T., Angelo State University	Associate Professor of English
Karl J. Havlak (2000) Ph.D., M.S., Texas Tech University B.S., Angelo State University	Assistant Professor of Mathematics
Robert K. Heggland (G) (1972) Ph.D., M.B.A., University of Arkansas B.S., Georgia Institute of Technology	Professor of Management and Dean of the College of Business and Professional Studies
Randolph D. Hicks II (1987) Ph.D., University of Southern Mississippi M.A., B.S., California State University at Fresno	Associate Professor of Criminal Justice
Troy J. Hill (1999) M.S., B.S., Angelo State University	Lecturer in Kinesiology and Assistant Athletic Trainer
E. James Hindman (G) (1994) Ph.D., M.A., B.A., Texas Tech University	Professor of History and President of the University
M. Cheryl Hines (G) (1999) Ed.D., Texas A&M University M.Ed., B.S., Angelo State University	Associate Professor of Education

Crosby W. Jones, Jr. (G) (1978) Professor of Biology
Ph.D., M.S., B.S., Oklahoma State University

-
- | | |
|---|---|
| <p>Laurence F. Jones (G) (1990)
 Ph.D., University of Texas at Arlington
 M.P.A., University of Oklahoma
 B.S., Regis College</p> | <p>Associate Professor
 of Government</p> |
| <p>Sahit M. Kara (2000)
 Ph.D., M.A., Texas Tech University
 M.S., Georgia State University
 B.A., Karadeniz Tech University (Turkey)</p> | <p>Assistant Professor of Finance</p> |
| <p>Susan E. Keith (G) (1997)
 Ph.D., Texas Woman's University
 M.S.Ed., Baylor University
 B.S., University of Central Oklahoma</p> | <p>Assistant Professor
 of Kinesiology</p> |
| <p>Linda A. Kornasky (G) (1986)
 Ph.D., Tulane University
 M.A., B.S., University of Rhode Island</p> | <p>Assistant Professor of English
 and Editor of Self Study</p> |
| <p>Edith H. Krause (1999)
 Ph.D., New York University
 M.A., University of Waterloo</p> | <p>Professor of German and Head of the
 Department of Modern Languages</p> |
| <p>Pamela S. Lee (1994)
 Ed.D., University of Houston
 M.M., University of North Texas
 B.S., Lamar University</p> | <p>Associate Professor of Music and
 Director of Choral Activities</p> |
| <p>Terry J. Lehmann (G) (1977)
 Ph.D., M.A., Indiana University
 B.A., University of Wisconsin</p> | <p>Professor of History</p> |
| <p>Twila G. Lehmann (1986)
 Ph.D., M.A., Indiana University
 B.A., University of Texas at Austin</p> | <p>Associate Professor of
 Computer Science</p> |
| <p>K. Fritz Leifeste (G) (1999)
 Ed.D., Texas Tech University
 M.Ed., Lamar University
 B.S., Angelo State University</p> | <p>Assistant Professor of Education</p> |
| <p>Virginia D. Lester (1991)
 M.S.N., Incarnate Word College
 B.S.N., University of Texas at Austin</p> | <p>Assistant Professor of Nursing</p> |
| <p>Harriet K. Lewis (G) (1999)
 M.S., Texas Tech University
 B.S., Baylor University</p> | <p>Professional Specialist in Physical
 Therapy and Academic Coordinator
 of Clinical Education</p> |
| <p>Judy D. Lewis (G) (1999)
 Ph.D., University of North Texas
 M.B.A., Texas A&M University
 B.B.A., Stephen F. Austin State University</p> | <p>Associate Professor
 of Accounting</p> |

Peter Levine (2000) Ph.D., University of Chicago M.A., University of Southern California M.A., New York University B.S., Montclair State University	Assistant Professor of Government
Paul F. Love (1971) Ph.D., M.A., University of Pittsburgh B.A., Trinity University	Professor of Sociology
Sandra S. Love (1978) M.A., B.A., Eastern Illinois University	Instructor in Psychology
Sally A. Low (1979) M.A.T., Angelo State University B.A., University of Texas at Austin	Instructor in Mathematics
Robert B. Lowe (G) (1991) Ph.D., Iowa State University M.A. Northeast Missouri B.A., Parsons College	Associate Professor of Education
David H. Loyd, Jr. (1969) Ph.D., University of Wisconsin M.A., B.S., University of Texas at Austin	Professor of Physics and Dean of the College of Sciences
Douglas Pat Maddox (G) (1988) Ph.D., Texas Tech University M.Eng., B.S., Texas A&M University	Associate Professor of Finance
David S. Marsh (G) (1983) Ph.D., University of Texas at Austin B.S., B.S., Duke University	Associate Professor of Biology
Christa D. Martin (2000) M.S.N., B.S.N., Angelo State University	Professional Specialist in Nursing
Michael A. Martin (1974) M.A.T., Angelo State University B.B.A., Howard Payne University	Assistant Professor of Kinesiology and Assistant Head Football Coach
Terry C. Maxwell (G) (1976) Ph.D., B.S., Texas A&M University M.S., Angelo State University	Professor of Biology
R. Ann Boyd Maxwell (1994) M.S., B.S., Angelo State University	Instructor in Biology
Brian J. May (G) (1994) Ph.D., Texas A&M University M.S., B.S., Angelo State University	Associate Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center

-
- Leslie M. Mayrand (1979) (1983) (1984) (1993) (1998)
 Ph.D., University of Texas at Austin Professor of Nursing and
 M.S.N., University of Texas Health Science Center, San Antonio Graduate Advisor
 B.S.N., B.A., Incarnate Word College
- Charles B. McCamant (1979) Professor of Computer Science
 Ed.D., Oklahoma State University and Head of the Department
 M.S., New Mexico State University
 B.S., Arkansas State University
- Milton M. McCoulskey (G) (1976) Professor of Education
 Ph.D., University of Texas at Austin
 M.Ed., B.S.Ed., Southwest Texas State University
- J. Kelly McCoy (G) (1996) Assistant Professor of Biology
 Ph.D., B.S., Oklahoma State University
- Cheryl A. McGaughey (1984) Instructor in Finance
 M.B.A., University of Mississippi
 B.B.A., Stephen F. Austin State University
- William B. McKinney (1977) (1991) Assistant Professor
 Ph.D., M.Ag., Texas A&M University of Real Estate
 B.A., Angelo State University
- John J. Miazga, Jr. (G) (1980) Professor of Education, Dean
 Ed.D., East Texas State University of the School of Education, and
 M.S., Emporia State University (Kansas) Teacher Certification Officer
 B.A., Colorado College
- Alan A. Miller (1985) Instructor in Management
 M.B.A., B.B.A., Angelo State University
- Tina C. Miller (1995) Instructor in Journalism and
 M.A., Sam Houston State University University Photographer
 B.A., Angelo State University
- Juan P. Montemayor (1985) Instructor in Mathematics
 M.S., Texas A&M University
 B.S., Angelo State University
- William A. Montgomery (G) (1993) Associate Professor
 Ph.D., M.A., University of Southern Mississippi of Psychology
 B.A., Millsaps College
- Alan W. Moore (2000) Lecturer in Kinesiology and Assistant
 B.S., Angelo State University Men's and Women's Track and
 Cross Country Coach
- James A. Moore (G) (1994) Professor of English and
 Ph.D., Oklahoma State University Head of the Department
 M.A., B.S.Ed., North Texas State University

-
- | | |
|--|------------------------------|
| Ellen D. Moreland (1988) | Instructor in Mathematics |
| M.S., B.S., Clarkson College of Technology (New York) | |
| Mark B. Motl (1990) | Associate Professor of |
| Ph.D., M.C.S., Texas A&M University | Computer Science |
| B.S., Angelo State University | |
| Robert R. Mowrer (G) (1988) | Associate Professor |
| Ph.D., M.A., University of New Mexico | of Psychology |
| B.A., Susquehanna University | |
| Elisabeth-Christine Muelsch (G) (1992) | Associate Professor |
| Ph.D., M.A., Albert Ludwig University, Freiburg | of French |
| Licence, Universite d Aix-Marseille | |
| John H. Nicholson (G) (1998) | Assistant Professor |
| Ph.D., University of Iowa | in Communication |
| M.A., B.A., University of Memphis | |
| Peggy A. Nino (1989) | Assistant Professor of Art |
| M.F.A., Sam Houston State University | |
| B.A., University of Houston | |
| Virginia M. Noelke (G) (1971) | Professor of History |
| Ph.D., B.A., University of Texas at Austin | |
| Walter D. Noelke (G) (1970) | Professor of Government |
| Ph.D., University of Texas at Austin | |
| B.A., University of the South (Tennessee) | |
| David L. O'Dell (1992) | Instructor in Spanish |
| M.A., University of Texas at Austin | |
| B.A., University of Arkansas | |
| Edward C. Olson (G) (1978) | Professor of Government and |
| Ph.D., University of California at Davis | Head of the Department |
| M.A., B.A., University of California at Santa Barbara | |
| Maria De Los Santos Onofre-Madrid (1978) (1984) | Assistant |
| M.A., University of Texas at Arlington | Professor of Spanish |
| B.A., Angelo State University | |
| Jerry R. Osburn (1996) | Associate Professor |
| Ph.D., University of Oregon | of Sociology |
| M.A., B.A., California State-Bakersfield | |
| V. Paul Osmanski (1991) | Professional Specialist |
| M.S.N., University of Texas Health Science Center at San Antonio | in Nursing |
| B.S.N., Angelo State University | |
| Douglas R. Overmier (1999) | Assistant Professor of Music |
| D.M.A., University of North Carolina | and Director of Bands |
| B.M.E., M.M., Ohio State University | |

Gerald P. Owens (1995) Ph.D., The Ohio State University M.S., Kansas State University B.S., Phillips University	Instructor in Economics and Small Business Development Specialist
Mark W. Pape (G) (2000) M.S., Texas Woman's University B.S., Angelo State University	Professional Specialist in Physical Therapy
C. Varren Parker, Jr. (1969) Ph.D., University of Texas at Austin M.S., B.A., Sam Houston State University	Professor of Physics
Dennis E. Pate (G) (1980) Ph.D., M.A. University of California, Los Angeles B.A., San Jose State University (California)	Professor of History
Tomas A. Peña (1999) M.S., Regis University B.S., Angelo State University	Assistant Professor of Aerospace Studies
Jerry W. Perry (1974) M.A., University of Texas at Austin B.A., Baylor University	Assistant Professor of Government
Robert V. Prestiano (1973) Ph.D., Northwestern University (Illinois) B.S., Loyola University (Illinois)	Professor of Art
Kathleen M. Price (G) (1991) Ph.D., Texas Woman's University M.S., B.S., Baylor University	Associate Professor of Kinesiology
Krishnan A. Ranganathan (G) (1997) Ph.D., University of North Texas M.B.A., Sam Houston State University B.S., Loyola College (India) C.PA., C.M.A.	Assistant Professor of Accounting
Roderik L. Reed (2000) Ph.D., Texas Tech University M.S., B.S., Texas A&M University	Assistant Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center
Troy D. Reeves (G) (1969) Ph.D., M. Phil., M.A., University of Kansas B.A., University of North Texas	Professor of English
James R. Reid (1993) M.Ed., B.S., Angelo State University	Instructor in Kinesiology and Head Men's and Women's Track and Cross Country Coach

Timothy E. Reid (1982) M.S., Texas A&I University B.S.Ed., Baylor University	Instructor in Kinesiology and Assistant Football Coach
Raul Reyes, Jr. (2000) M.A., Webster University B.S., Angelo State University	Assistant Professor of Aerospace Studies
James A. Richardson (1982) M.B.A., B.B.A., Angelo State University	Instructor in Management
Joan B. Rivera (G) (1999) Ph.D., Texas Tech University B.B.A., M.B.A., Angelo State University	Associate Professor of Management
Kathy L. Rodolph (2000) M.Ed., Texas Tech University B.S., University of Texas at El Paso	Lecturer in Kinesiology and Head Women's Softball Coach
Kelly L. Ross (1997) M.S., Southern Illinois University B.S.N., Wayne State University	Professional Specialist in Nursing
Ronald H. Ruppel (1998) M.P.A., B.A., Bowling Green State University	Assistant Professor of Aerospace Studies
Connie A. Russell (G) (1999) Ph.D., Oklahoma State University M.S.E., B.S.E., Henderson State University	Assistant Professor of Biology
Edward L. Russell (G) (1999) Ph.D., Texas A&M University M.S.N., University of Texas Health Science Center at San Antonio B.S.N., University of Texas at Arlington	Associate Professor of Nursing and Head of the Department
Marci L. Sanders (2000) B.S., Angelo State University	Lecturer in Kinesiology and Assistant Women's Volleyball Coach
Mary E. Sanders (G) (1999) Ed.D., University of Oregon M.A., Northern Arizona University B.S., University of Tennessee	Assistant Professor of Education
Toni D. Sauncy (2000) Ph.D., M.S., B.S., Texas Tech University	Assistant Professor or Physics
Jeffrey B. Schonberg (G) (1997) Ph.D., Texas A&M University M.A., New Mexico State University B.A., University of New Mexico	Assistant Professor of English

Kraig L. Schell (G) (2000) Ph.D., University of Cincinnati M.A., University of Central Oklahoma B.S., Oklahoma Christian University	Assistant Professor of Psychology
Cody B. Scott (G) (1995) Ph.D., Utah State University M.S., B.S., Angelo State University	Associate Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center
David E. Scott (1998) Ph.D., M.M., Ohio State University B.M.E., B.M., Baylor University	Associate Professor of Music, Acting Head of Department of Art and Music, and Director of Bands
George E. Shankle (G) (1970) Ph.D., B.A., University of Tennessee	Professor of Chemistry and Head of the Department of Chemistry and Biochemistry
Barbara P. Sidener (1981) M.S., Texas Woman's University B.A., Baylor University	Instructor in Mathematics
James F. Siekmeier (G) (1997) Ph.D., M.A., Cornell University B.A., Oberlin College	Assistant Professor of History
Sangeeta Singg (G) (1981) Ph.D., M.S., East Texas State University M.A., Mississippi State University B.A., Punjab University (India)	Professor of Psychology
Martha R. Sleutel (1995) M.S.N., University of Utah B.S.N., University of Texas at El Paso	Assistant Professor of Nursing
John C. Smith III (1994) Ph.D., University of North Texas M.S., B.S., Angelo State University	Assistant Professor of Mathematics
June H. Smith (G) (1991) Ph.D., University of Texas at Austin M.A., Texas Tech University B.A., Angelo State University	Associate Professor of Communication
Michael C. Smith (1998) M.S.Ed., Northwest Missouri State University B.S., Central Methodist College (Missouri)	Lecturer in Kinesiology and Assistant Women's Basketball Coach
Mark S. Sonntag (1985) Ph.D., University of Colorado M.A.T., Michigan State University A.B., Indiana University	Professor of Physics and Director of the University Planetarium

Silas E. Southall (1974) (1990) M.A.T., B.S., Angelo State University	Instructor in Kinesiology and Assistant Football Coach
Kenneth L. Stewart (1975) Ph.D., Western Michigan University M.A., Colorado State University B.A., Boise State University (Idaho)	Professor of Sociology and University Studies
Ned E. Strenth (G) (1978) Ph.D., Texas A&M University M.A., Southwest Texas State University B.A., University of Texas at Austin	Professor of Biology
Norman A. Stroh (1978) Ph.D., University of Nebraska M.A., California State University B.A., University of California, Los Angeles	Associate Professor of English
Norman A. Sunderman (G) (1987) D.M.A., M.M., University of Michigan M.B.A., M.P.A., Texas A&I University B.S., Bowling Green State University C.P.A.	Professor of Accounting and Head of the Department of Accounting, Economics, and Finance
Edward C. Surface (1977) M.Ed., B.M.Ed., Southwestern Oklahoma State University	Assistant Professor of Music
Paul K. Swets (1998) Ph.D., B.S., University of Texas at Austin	Assistant Professor of Mathematics
Martha Tafoya (1995) M.S.N., University of Texas-El Paso B.S.N., Angelo State University	Professional Specialist in Nursing
Catherine W. Talley (1977) (1982) M.A., B.A., University of North Texas	Instructor in Mathematics
David J. Tarver (G) (2000) Ed.D., East Texas State University M.A., University of Texas Permian Basin B.S., Tarleton State University	Assistant Professor of Education
Sharynn M. Tomlin (G) (1987) (1991) Ph.D., University of North Texas M.B.A., B.B.A., Angelo State University	Associate Professor of Management
Sharon M. Towndrow (1981) M.M., Texas Tech University B.M., University of Texas at El Paso	Instructor in Music
Patricia H. Turner (1988) M.A., Bowling Green State University B.A., Angelo State University	Instructor in Communication

-
- Jerry C. Vandergriff (1971) Assistant Professor of Kinesiology,
M.Ed., Texas Tech University Director of Men's Athletics, and
B.S., University of Corpus Christi Head Football Coach
- John G. Vinklarek (1977) Associate Professor of Art
M.F.A., University of Oregon
B.F.A., Texas Tech University
- Cary R. W. Voss (G) (1998) Assistant Professor
Ph.D., University of Kansas of Communication
M.A., B.A., Baylor University
- Andrew B. Wallace (1989) Associate Professor of Physics
Ph.D., M.S., University of North Texas and Head of the Department
B.S., Texas Tech University
- James R. Ward (G) (1970) Professor of History
Ph.D., M.A., B.A., Texas Christian University
- Tamara D. Watson (1997) Assistant Professor of Music
D.M., Florida State University
M.M., The Boston Conservatory
B.M., The Ohio State University
- John M. Wegner (G) (1997) Assistant Professor of English
Ph.D., University of North Texas
M.A., B.A., Sam Houston State University
- Shelly D. Weise (G) (2000) Assistant Professor of
Ed.D., M.S., B.A., Texas A&M University Physical Therapy
M.S., Texas Woman's University
- John M. Wheeler (G) (1971) Professor of History
Ph.D., Tulane University (Louisiana)
M.A., University of Arkansas
B.A., Hendrix College (Arkansas)
- Susan S. Wilkinson (G) (1994) Professional Specialist
M.S.N., Incarnate Word College in Nursing
B.S.N., University of Texas Health Science Center, San Antonio
- Roger R. Wilke (1999) Assistant Professor of Biology
Ph.D., University of Texas at Austin
M.S., B.S., Angelo State University
- James H. Wilkins (G) (2000) Associate Professor of
Ph.D., M.B.A., B.B.A., Texas Tech University Business Administration
- Vita L. Willeke (1992) Professional Specialist in Nursing
M.S.N., University of Texas at El Paso
B.S.N., Angelo State University

Esther M. Wooten (1974) M.S., Texas Woman's University B.S.N., R.N., University of Southwestern Louisiana	Assistant Professor of Nursing
James G. Worley (1999) M.F.A., University of Texas B.A., M.A., Angelo State University	Assistant Professor of Drama and Assistant Director of University Theatre
H. Earl Yarbrough, Jr. (G) (1971) Ph.D., M.Ed., B.S., Texas A&M University	Professor of Kinesiology
J. Thomas Yokum, Jr. (G) (1990) Ph.D., University of South Carolina M.B.A., B.B.A., Texas Christian University	Professor of Management
Roger E. Zarnowski (1991) Ph.D., Indiana University M.A., B.S., Wichita State University	Professor of Mathematics
Wanda L. Zellmer (1981) M.S.N., University of Texas at El Paso B.S.N., R.N., University of New Mexico	Assistant Professor of Nursing
Guoqiang Zheng (G) (1999) Ph.D., University of Toledo M.A., B.A., Tianjin Normal University	Assistant Professor of History

Part-Time Faculty

Andrew J. Dane Ph.D., University of Oklahoma M.A., B.B.A., Texas Tech University	Professor of Economics
Ewa G. Davis M.A., Adam Mickiewicz University in Poznan (Poland)	Instructor in Russian
H. Ray Dawson Ph.D., University of Arkansas M.A., B.A., University of North Texas	Professor of Physics
J. Noland Harvey Ph.D., Texas A&M University M.A., Louisiana Tech University B.A., Northeast Louisiana University	Professor of Education
Paul K. Horne M.Ed., B.S., Abilene Christian University	Assistant Professor of Kinesiology
Douglas O. John Ed.D., M.Ed., B.S., North Texas State University	Professor of Education
Richard C. Seaman M.J., University of North Texas B.A., Midwestern State University	Assistant Professor of Journalism

EMERITUS FACULTY

D. Harris Brinson Appointed 1974, Emeritus since 1997	Director of Bands Emeritus
Edgar N. Drake Appointed 1965, Emeritus since 1999	Distinguished Professor of Chemistry Emeritus
Bill J. Henderson Appointed 1966, Emeritus since 2000	Professor of Government Emeritus
Bob C. Holcomb Appointed 1965, Emeritus since 1999	Distinguished Professor of History Emeritus
G. Leon Holland Appointed 1969, Emeritus since 2000	Professor of Agriculture Emeritus
Donald R. Shelby Appointed 1973, Emeritus since 2000	Professor of Agriculture Emeritus
Otto W. Tetzlaff Appointed 1969, Emeritus since 1999	Distinguished Professor of German Emeritus
H. Dempsey Watkins Appointed 1966, Emeritus since 1997	Distinguished Professor of History Emeritus
Bill D. Watts Appointed 1969, Emeritus since 1999	Professor of Drama Emeritus



ADJUNCT FACULTY

ANIMAL SCIENCE

Texas A&M Agricultural Research and Extension Center

Millard C. Calhoun (G) Ph.D., University of Connecticut M.S., B.S., University of Delaware	Adjunct Professor of Animal Science
B. Frank Craddock (G) Ph.D., B.S., Texas A&M University M.S., University of Wyoming	Adjunct Professor of Animal Science
Andres de la Concha-Bermejillo (G) Ph.D., M.S., University of California, Davis D.V.M., Universidad Nacional Autonoma de Mexico	Adjunct Professor of Biology
James E. Huston (G) Ph.D., M.S., B.S., Texas A&M University	Adjunct Professor of Animal Science
Christopher Lupton (G) Ph.D., B.S., University of Leeds (England)	Adjunct Professor of Animal Science
Rick Machen (G) Ph.D., M.S., Texas A&M University B.S., Angelo State University	Adjunct Professor of Animal Science
Allen McGinty (G) Ph.D., M.S., Texas A&M University B.S., Southwest Texas State University	Adjunct Professor of Animal Science
Bill Pinchak (G) Ph.D., University of Wyoming B.S., Angelo State University	Adjunct Professor of Animal Science
Dale Rollins (G) Ph.D., Texas Tech University M.S., Oklahoma State University B.S., Southwestern State College	Adjunct Professor of Animal Science
Charles A. Taylor, Jr. (G) Ph.D., M.S., B.S., Texas A&M University	Adjunct Professor of Animal Science
Darrell Ueckert (G) Ph.D., M.S., Colorado State University B.S., Texas Tech University	Adjunct Professor of Animal Science
Daniel F. Waldron (G) Ph.D., M.S., University of Illinois B.S., University of Minnesota	Adjunct Professor of Animal Science

John Walker (G)

Ph.D., Texas A&M University
M.S., Colorado State University
B.S., Texas A&M University

Adjunct Professor of
Animal Science

ART

Howard Taylor

B.F.A., Columbus College of Art and Design

Adjunct Professor of Art

BIOLOGY

Texas A&M Agricultural Research and Extension Center

Andres de la Concha-Bermejillo

Ph.D., M.S., University of California, Davis
D.V.M., Universidad Nacional Autonoma de Mexico

Adjunct Professor of Biology

Shannon West Texas Memorial Hospital, San Angelo,
Texas

Patrick L. Moore

M.D., Texas Tech Health Sciences Center School of Medicine
B.S., Angelo State University

Adjunct Professor of Biology

ENGLISH

Elmer S. Kelton

B.A., University of Texas at Austin

Adjunct Professor of English

KINESIOLOGY

West Texas Medical Associates, San Angelo, Texas

Dr. Warren Conway

M.D., Texas A&M College of Medicine

Adjunct Professor of
Athletic Training

Dr. Joe Wilkinson

M.D., University of Texas Medical Branch, Galveston

Adjunct Professor of
Athletic Training

MEDICAL TECHNOLOGY

St. Elizabeth Hospital, Beaumont, Texas

Terry W. Bell

M.D., Ohio State University
B.S., Wright State University

Medical Director/Laboratory Services

Deborah R. Zink, M.B.A., M.T. (ASCP) Program Director/School
M.B.A., Lamar University of Medical Technology
B.A., Abilene Christian University

Shannon Medical Center, San Angelo, Texas

Martin J. Kulig Consulting Pathologist
Ph.D., University of Florida
M.D., University of Texas Medical Branch at Galveston

Billy Cleve Moore Education Coordinator
B.S., M.T. (ASCP), University of Texas

Scott and White Memorial Hospital, Temple, Texas

Janet L. Duben-Englekirk, Ed.D., M.T. Director, Allied Health
Ed.D., Baylor College of Medicine and University of Houston Education and
M.S., The University of Akron Program in Clinical
B.S., (Medical Technology) University of Akron Laboratory Science
B.S., (Biology) University of Akron

Daniel J. Ladd, M.D.
M.D., University of Maryland School of Medicine
M.S.E., Johns Hopkins University Graduate School
B.E.S., Johns Hopkins University

PHYSICAL THERAPY

Mary Gest, P.T., CCCE
B.S., University of Texas Medical Branch at Galveston

H. Kaye Ellis Johanson, P.T., CCCE
Certificate, Physical Therapy, University of Texas
Southwestern Medical School at Dallas
B.S., Baylor University

James F. Villers, P.T., CCCE
B.S., University of Texas Medical Branch at Galveston

Renee Ward, P.T., CCCE
B.S., University of Texas Medical Branch at Galveston

GENERAL INFORMATION

The City of San Angelo

San Angelo, county seat of Tom Green County, is located in the heart of West Texas at the juncture of the Middle and North Concho Rivers. The city had its beginning in 1867 when Bart DeWitt established a trading post over the river from Fort Concho, a frontier military post that had been established earlier the same year. DeWitt named the settlement Santa Angela in honor of his wife's sister, a Mexican nun. Later the name was changed to San Angelo. Prospects for the future of San Angelo were not bright in 1875 when a nearby stage depot, Ben Ficklin, won a heated election for the right to become the county seat. However, a flash flood devastated the rival settlement seven years later, leaving San Angelo the undisputed Queen of the Conchos. After Fort Concho was deactivated in May 1889, San Angelo developed rapidly into a business town for cattle and sheep raisers. Today the city has a population of approximately 100,000.

Although its early growth resulted from its role as a mecca for ranchmen, the city slowly expanded economically and culturally until it emerged as a major center of activity for a vast area of West Texas. In addition to accommodating livestock, farming, and oil interests, San Angelo now attracts fishing and boating enthusiasts to its three lakes, a merchandise-minded and style-conscious clientele to its numerous downtown and urban shopping districts, and culturally oriented and artistically inclined patrons to its San Angelo Symphony, art galleries, and Fiesta del Concho. One of the most widely supported of its numerous community projects is the annual rodeo, which features nationally known riders and ropers. The Fort Concho Museum contributes to the preservation of the city's early heritage. San Angelo is also the home of Goodfellow Air Force Base, a significant security installation.

Although its institutions have become increasingly complex and more sophisticated, San Angelo continues to retain an informal atmosphere. The city boasts an excellent public school system, supports churches of many denominations, and takes pride in the fact that it is an important medical and retirement center. San Angelo is a wonderful city in which to live and to attend college.

Angelo State University is part of the Texas State University System and enrolls students from a wide geographical area of Texas, 37 other states, and 22 other countries. The University was listed as one of the top ten "Up and Coming" regional universities in American higher education in *U.S. News and World Report's* 1991 College Guide, America's Best Colleges. This same publication in its 1993 College Guide listed Angelo State University as one of the three highest ranked state-supported regional universities in Texas.

The University has one of the most modern and attractive campuses in the nation and has an enrollment of approximately 6,300 students. The University also offers one of the largest and most distinctive academic scholarship programs in the nation.

History of the University

Angelo State University was created as Angelo State College in 1965 by an act of the 58th Session of the Texas Legislature in 1963. The history of the University, however, can be traced to 1928 when San Angelo College was established, following a municipal election held in 1926. Organized as part of the city school system, the two-year college for many years occupied a site on North Oakes Street near the commercial center of the city. The voters of Tom Green County in 1945 created a County Junior College District and elected the first Board of Trustees. In 1947, the first building was constructed on the present University site.

Angelo State University has experienced a rapid transition from the status of a regional junior college to that of an accredited senior institution of higher learning. The transfer of authority from the Board of Trustees of the junior college to the Board of Regents, State Senior Colleges, became effective on September 1, 1965. In May 1967, the first baccalaureate degrees were awarded. The name of the institution was changed to Angelo State University in May 1969.

Angelo State University was designated as a member of the Texas State University System in 1975, along with Sam Houston State University, Southwest Texas State University, and Sul Ross State University, when the 64th Texas Legislature changed the name of the governing board to Board of Regents, Texas State University System. Effective September 1, 1995, Lamar University and its components joined the Texas State University System.

In September 1967, Dr. Lloyd Drexell Vincent became the second President of Angelo State College, succeeding Dr. Raymond M. Cavness who first held that post. Dr. Vincent served as President until his death on August 5, 1994.

Following the death of President Vincent, Michael P. Ryan was named Interim President by the Board of Regents, Texas State University System, on August 9, 1994. On January 25, 1995, Dr. E. James Hindman became the third President of Angelo State University.

The 268-acre campus has changed significantly since 1965 as a result of the development of an ultramodern physical plant now valued at over \$150 million. The Porter Henderson Library was completed in the fall of 1967, and in the spring of 1968 the Raymond M. Cavness Science Building was opened. An academic building and a ten-story women's high rise residence hall and accompanying food service center were opened in September 1968. A second ten-story residence hall for men opened in September 1969. The modernization and expansion of the Houston Harte University Center was completed during the summer of 1971 and fall of 2000, and a physical education complex was opened in the summer of 1972.

The Robert and Nona Carr Education-Fine Arts Building, completed during the spring of 1976, provides ultramodern facilities for the Dean and School of Education, Dean of the College of Liberal and Fine Arts, and Department of Art and Music. In addition to an extensive array of teaching facilities, many special use areas are incorporated in the building, including the theatre, recital hall, band hall, and an area for art design and ceramics. Construction was completed during the summer of 1975 on a facility at the University's Management, Instruction, and Research Center operated at the O.C. Fisher Lake on 4,643 acres of property which Angelo State has under long-term lease from the U.S. Corps of Engineers, Department of the Army. These facilities support the programs in animal science and biology and a wide range of management and research activities.

A multipurpose sports complex for men and women was completed in 1979 which includes an all-weather Tartan track, two regulation softball fields, tennis courts, improved practice fields for football, and ultramodern facilities for dressing and training.

The 60,000-square-foot Emil C. Rassman Building, completed during the summer of 1983, houses the Departments of Accounting, Economics and Finance, Aerospace Studies, Business Administration, and Government, as well as the office of the Dean of the College of Business and Professional Studies.

The \$8 million Lloyd D. and Johnell S. Vincent Nursing-Physical Science Building was completed during the 1985 Spring Semester. Located across the mall from the Physical Education Building and the Emil C. Rassman Building, the building contains approximately 73,000 square feet arranged over two floors. The building houses the University's

Departments of Agriculture, Nursing, Physical Therapy, Physics, and the Dean of the College of Sciences. Specialized teaching and laboratory facilities are included for physics, physical science, geology, nursing, and agriculture. A highlight of the building is a planetarium featuring a 50-foot dome and seating for 114. The facility is used as a lecture hall and for other special programs. It is also used in conjunction with academic courses in astronomy and for public shows.

The 86,000-square-foot Mathematics-Computer Science Building, completed in 1996, houses the Department of Mathematics and the Department of Computer Science as well as facilities to support the University's mainframe computing services.

The addition of the \$20 million ASU Junell Center containing the Stephens Arena will usher in a whole new era in events programming for the campus and for the West Texas community served by the University. When completed in the Fall of 2001, the new facility will provide a first-class setting for educational, cultural, social, and athletic events for audiences and spectators numbering up to 6,500.

The Dorsey B. Hardeman Building houses the Department of Communications, Drama and Journalism, the Dean of the Graduate School, and the Offices of Admissions and Retention, Registrar, and Residence Life.

The Graduate School at Angelo State University, located in the Dorsey B. Hardeman Building, was authorized by the Board of Regents, State Senior Colleges, on May 15, 1970, and approved by The Texas Higher Education Coordinating Board, on October 19, 1970. The first graduate students were enrolled in the Fall Semester 1971.

In addition to the rapid progress in the development of the physical plant and the expansion of the academic programs at Angelo State, significant strides have been taken in the development of a first-rank faculty. Approximately 65 percent of the faculty in the undergraduate baccalaureate degree programs now hold the doctoral degree granted by 63 different universities, representing all regions of the nation.

Mission Statement

Angelo State University is a regional comprehensive coeducational institution of higher learning offering programs in the liberal and fine arts, sciences, education for the health professions, teacher education, and business administration, as well as courses of study designed to meet entrance requirements for various professional schools.

In the baccalaureate programs the primary responsibility of Angelo State University is to provide opportunities in higher education for the citizens of the State of Texas. The University, through its programs, seeks:

- to provide students with a basis for making sound decisions and mature judgments which depend upon an understanding of the social, scientific, literary, artistic, political, and philosophic traditions of many cultures;

- to help each student reach maximum capability with respect to communications, effective reasoning, and analytical thinking, and to provide standards of physical and intellectual discipline which lead to optimal personal development and useful, responsible citizenship;

- to educate students for living and working in a competitive global society;

- to prepare interested, qualified students for graduate study and for scholarly occupations;

to provide selected professional programs which supplement students' general education and enable them to become competent in fields requiring specialized training;

to conduct research with the intention of engaging the student in independent study.

The purpose of the Graduate School is to provide advanced, specialized training which will strengthen the academic and professional competence of the students. The graduate programs are designed to develop students' capacities for independent study, to train students in the techniques of research, and to acquaint them with research in their fields of study.

In order to promote strong educational opportunities, the University encourages programs of faculty research which add to the total body of knowledge, develop new and improved techniques of instruction, and maintain the competence of faculty members in their respective fields. Teaching is the foremost area of faculty contribution, however, followed by creative or scholarly activity and service. Faculty, staff, and administration participate in a campus culture in which students receive personal attention in academic advisement and student support. Recruitment and retention of instructional and administrative personnel reflect the University's commitment to diversity.

Angelo State University is committed to the equal consideration of all qualified applicants for admission. Articulation with community colleges enables students to transfer credit. Students are offered encouragement in their university lives through a variety of support services, such as financial aid, residence life, social and career development, and counseling. Cultural and athletic programs supplement academic programs to increase students' awareness of healthy and complete lifestyles. Access to the university's physical and intellectual resources is provided to students of varying capabilities. Alumni are encouraged to maintain contact.

Partnerships with local, regional, and state agencies increase the university's role in public education, business, health, and information retrieval. Special research in agriculture is supported by the Management, Instruction, and Research Center, where applied research is conducted primarily in domestic livestock production and range management. Both traditional and technological learning resources are utilized in instruction and research and to provide special services and programs of continuing education and distance education which contribute to the cultural and economic welfare of the region served by the University. The University strives to broaden the experience of its students and faculty through programs of international education and exchange.

Long-range planning, evaluation, and program assessment are part of the decision-making process at all levels. The University's commitment to improving quality extends to its administrative services and provides support to maintain the infrastructure, expand information resources, develop technological equipment and programs for academic and administrative improvement, ensure fiscal responsibility, and promote public safety and institutional advancement. Recognizing its responsibility to the community, the University offers many cultural opportunities and business, health, educational and volunteer services to the region.

Angelo State University is committed to providing a wide range of high quality academic programs and strives to develop in its students those qualities which will enable them to enrich their personal lives, improve their abilities to serve and contribute to society, and become leaders in their professions and in their communities.

Approved by the Board of Regents, Texas State University System, on August 9, 1997.

Approved by the Texas Higher Education Coordinating Board on January 7, 1998.

ADMISSION TO THE UNIVERSITY

Angelo State University commits itself to the equal consideration of all qualified applicants for admission without regard to race, color, religion, sex, age, or national origin, and without regard to disabilities as required by the Americans with Disabilities Act of 1990. (See page 121 for additional information.) An applicant will be eligible for admission to the University when the Office of Admissions and Retention has on file the items required in the appropriate category and when all requirements in that category have been met.

Angelo State University requires the American College Test (ACT) or the Scholastic Assessment Test I (SAT I) for admission from high school. These are administered at more than a thousand centers throughout the United States on special dates during the months of October, December, February, March, and June. High school administrators can provide details with regard to these examinations.

Residence Life

Single undergraduate students who are approved for admission will be allowed to register only after the Director of Residence Life has approved their places of residence during the time in which they plan to attend the University. Students must either live in University housing or be approved for off-campus residence by the Director of Residence Life. A Housing Application form is included in the back of this *Bulletin*. Additional copies of the application forms may be obtained by writing the Residence Life Office.

Personal Standards

Angelo State University requires the same personal standards and applies the same criteria in considering applications for admission as it uses in the retention of students who are enrolled. To be consistent with this policy, the University reserves the right to refuse acceptance to prospective or former students who have criminal records including conviction of a felony, offenses involving moral turpitude, or other offenses of serious nature. The personal standards of conduct expected of students who enroll at Angelo State University are provided in the Student Life Regulations and Policies contained in the *Student Handbook*.

Admission Requirements (Undergraduate Programs)

Fresh Start

An applicant for admission who is a Texas resident may seek to enter this institution pursuant to the "academic fresh start" statute, Texas Education Code, 51.931. If the applicant informs the admissions office in writing of the election at the time of application to the University, the institution will not consider academic course credits or grades earned by the applicant 10 or more years prior to the starting date of the semester in which the applicant seeks to enroll. An applicant who chooses to apply under this statute may not receive any course credit for courses taken 10 or more years prior to enrollment.

All students who wish to enroll in academic course work at Angelo State University must submit an Application for Admission.

Admission

Admission to Angelo State University by full-time or part-time students may be obtained under any one of the following categories:

1. HIGH SCHOOL GRADUATE

A graduate from an accredited or unaccredited high school will be eligible for admission to Angelo State University when the applicant has met all admission requirements and has on file in the Office of Admissions and Retention the following items:

- Application for Admission*
- Official transcripts of high school records
- Residency Questionnaire
- Scores on the American College Test (ACT) or the Scholastic Assessment Test I (SAT I)

Regular Admission

An applicant from an accredited or unaccredited high school must meet one of the following requirements to be eligible for regular admission:

- a. Satisfactorily complete the Texas Scholars Program or the Texas Advanced High School Program or the Distinguished Achievement Program.
- b. Rank in the top half of the senior class at the time of application or graduate in the top half of the graduating class.
- c. Present a composite score on the Enhanced American College Test (ACT) or a combined verbal and math score on the Scholastic Assessment Test (SAT I), for the high school class rank shown below:

High School Class Rank	Test Scores ACT or SAT I
Top Half	No minimum
3rd Qtr.	23 1030
4th Qtr.	30 1270

- d. Have a 50% or greater probability of earning an overall *C* average (2.00 GPA) during the freshman year at Angelo State University as computed from the student's high school grades and ACT, or SAT I scores.

Provisional Admission

High school graduates who do not qualify for regular admission and desire to enroll as full-time, degree-seeking students at ASU during the academic year may qualify for provisional admission through the following special programs:

a. Academic Year

A high school graduate who has completed a college preparatory curriculum and has a 50% or greater probability of earning a 1.35 GPA during their freshman year at ASU may be admitted on a provisional basis. Applicants who have not satisfactorily completed at least four years of English, three years of mathematics, three years of social science, and three years of natural science in grades 9-12 must have a 50% or greater probability of earning a 1.60 GPA during their freshman year at ASU.

* An Application for Admission form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing the Office of Admissions and Retention.

Students admitted provisionally under this program must register for courses only at ASU while on provisional admission status and must complete 12 semester credit hours of prescribed course work at ASU during both the fall semester and spring semester. Students admitted provisionally must earn a GPA on all college level course work attempted at ASU during each semester which is at least equal to that required of regularly admitted students to maintain enrollment in the University as specified in the University Bulletin. Transfer credits will not be considered in connection with the admission or subsequent status of a provisionally admitted student.

b. Summer Session

Students who do not qualify for the academic year provisional program may qualify for admission by enrolling as a full-time student during a six-week summer term and completing six semester credit hours of prescribed course work at ASU with a grade of C or better in each course.

2. TRANSFER FROM ANOTHER COLLEGE OR UNIVERSITY

A transfer student from an accredited college or university will be eligible for admission to Angelo State University when the applicant has met all admission requirements and has on file in the Office of Admissions and Retention the following items:

- Application for Admission*
- Official transcripts of all college or university work**
- Residency Questionnaire
- Early Admission Approval Form (if currently enrolled at another college)

- a. A transfer student from an accredited college or university who is not on disciplinary probation or suspension may be admitted if that student's cumulative grade point average on all college level work attempted meets the following criteria and the other designated requirements are met:

<u>Total College Level Semester Credit Hours Attempted</u>	<u>Minimum Cumulative Grade Point Average and Other Requirements</u>
1-17	2.00 and meet admission criteria for high school graduates
18 or more	2.00

A student who is on academic suspension at the last institution attended is ineligible for admission to Angelo State University until the period and terms of the suspension have been satisfied and the above criteria have been met.

* An Application for Admission form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing the Office of Admissions and Retention.

** A transfer student meeting all admission requirements who is currently enrolled in another college or university and is unable to provide current transcripts of all previous work may petition for tentative admission to the Office of Admissions and Retention. It is the responsibility of the student to provide the official transcript to the Office of Admissions and Retention or be subject to forced withdrawal.

- b. A transfer will be subject to the same Special Requirements regarding developmental course work in English/writing/reading and/or mathematics as required for high school graduates if their ACT, or SAT I scores, their performance on the Texas Academic Skills Program (TASP) test or on proficiency tests administered by the University, or their performance in subsequent course work at ASU indicates a deficiency in English and/or mathematics skills.* ASU will not accept transfer credit for developmental courses.
- c. A graduate from an accredited Texas public two-year college with the associate degree will be admitted to Angelo State University without reservation. However, a maximum of sixty-six semester credit hours of college level academic course work may be applied towards a bachelor's degree at ASU.
A graduate from an accredited private or out-of-state, two-year college may also be admitted but must take the TASP test prior to attending classes at ASU and must pass all sections of the TASP test before enrolling in junior and senior level courses.**
- d. An applicant who has attended another college or university and desires to register only for a summer session may be considered for enrollment without regard to the provisions of (a) above, but the student must not be on academic or disciplinary probation or suspension from another institution.

3. GENERAL EQUIVALENCY DIPLOMA (GED)

An individual who is not a high school graduate who has submitted evidence of a high school equivalency diploma from the Texas Education Agency may be eligible for admission to Angelo State University when the applicant has met all admission requirements and has on file in the Office of Admissions and Retention the following items:

Application for Admission***

Enhanced American College Test (ACT) or Scholastic Assessment Test I scores (SAT1)

High school equivalency diploma from the Texas Education Agency or any other state education agency

Residency Questionnaire

* These Special Requirements are described on p. 151, and under the sections on English (p. 250) and Mathematics (p. 316) of this *Bulletin*.

** Students who have earned three semester credit hours of college level credit prior to the 1989 fall semester are not required to take the TASP test.

*** An Application for Admission form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing the Office of Admissions and Retention.

An applicant under this category may be admitted by meeting one of the following requirements:

- a. Present a composite score of 23 or above on the American College Test (ACT) or a combined verbal and math score of 1030 on the Scholastic Assessment Test I (SAT I), or
- b. Enroll as a full-time student during a six-week summer term and complete six semester credit hours of prescribed course work at Angelo State University with a grade of C or better in each course.

Students admitted under this category are subject to the Special Requirements regarding satisfactory writing, reading, and mathematics skills as imposed on high school graduates based upon their subscores on the ACT or SAT I exams.*

4. EARLY ADMISSION

Summer School Early Admission For High School Seniors

A high school student who has completed the junior year of high school may be eligible for early admission to Angelo State University for the full summer session or for either of the summer terms under the Early Admission Policy. Those eligible may enroll for six to seven semester credit hours for each summer term. Seven semester credit hours are allowed when the load includes laboratory-type work or an activity-type course, such as physical activity, etc. A high school student will be allowed to take only freshman level courses.

Upon graduation from high school, submission of an official high school transcript, and the submission of a passing score on the applicable TASP test, credit and grades for all course work completed under the Early Admission Policy will be granted and entered on the student's permanent record.

High school students granted early admission to take summer academic courses under this policy will not be considered as having officially matriculated at Angelo State University until they graduate from high school and enroll in the University as regular students.

In order to be eligible for admission to Angelo State University under this policy, the student must have met all admission requirements and have on file in the Office of Admissions and Retention the following items:

- a. Application for Admission**
- b. Official transcript of high school record
- c. Be in the upper 10 percent of the high school class, or
- d. Present a composite score of 25 or above on the Enhanced American College Test (ACT) or a combined verbal and math score of 1100 on the Scholastic Assessment Test I (SAT I), and have
- e. Letter of recommendation from high school principal
- f. Residency Questionnaire

* These Special Requirements are described under the sections on English (p. 250) and Mathematics (p. 316) of this *Bulletin*.

** An Application for Admission form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing the Office of Admissions and Retention.

Academic Year Early Admission For High School Seniors

A high school student who has completed all but two credits of work required for graduation may be eligible for special admission to Angelo State University under the Early Admission Policy.

The student accepted under the Early Admission Policy must enroll concurrently in Angelo State University and high school and upon graduation from high school, submit to the University a final high school transcript. Enrollment under the Academic Year Admission Policy will be limited to no more than seven semester credit hours, or two courses of prescribed work, excluding a physical activity course, during a fall or spring semester.

Credit and grades for all course work completed will be granted and entered on the student's permanent record upon graduation from high school and submission of an official high school transcript.

Students granted early admission to take academic courses under this policy will not be considered as having officially matriculated at Angelo State University until they graduate from high school and enroll in the University as regular students.

In order to be eligible for special admission to Angelo State University under the Early Admission Policy, the student must have met all admission requirements and have on file in the Office of Admissions and Retention the following items:

- a. Application for Admission*
- b. Official transcript of high school record
- c. Be in the upper 10 percent of the high school class, or
- d. Present a composite score of 25 or above on the Enhanced American College Test (ACT) or a combined verbal and math score of 1100 or above on the Scholastic Assessment Test I (SAT I), and have
- e. Letter of recommendation from high school principal
- f. Residency Questionnaire

5. INTERNATIONAL STUDENT ADMISSIONS

Angelo State University is authorized under Federal law to enroll nonimmigrant alien students.

A student from a foreign country will be eligible for admission to Angelo State University, and a Form I-20, Certificate for Eligibility, will be issued when all admission requirements have been met and the following items are on file in the Office of Admissions and Retention:

- a. Application for Admission* with mandatory non-refundable \$50 application fee (international money order payable in \$US)
- b. Official transcript of previous academic records
- c. A score of 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language (TOEFL) and a score of 17 or higher on the English section of the American College Test (ACT) or a score of 430 or higher on the verbal section of the Scholastic Assessment Test I (SAT I)
- d. Supplemental Information Form for international applicants

* An Application for Admission form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing the Office of Admissions and Retention.

- e. Statement from parent, guardian, or other sponsor guaranteeing the applicant's financial support while in the United States
- f. Residency Questionnaire
- g. Housing Application (including US \$100 deposit) and approval
- h. A deposit of US \$3,000 for the first semester of attendance (does not include the US \$100 housing deposit). The US \$3,000 will be applied to the student's registration and room and board costs, but the student will be required to submit the US \$3,000 by June 10 in order to register for the fall semester, November 1 to register for the spring semester, and March 15 to register for the summer session. The \$3,000 deposit is required for the first semester of attendance only.

A student who fails to register will be eligible for a full refund. If a student registers and withdraws from the University, then the normal refund policy will apply. A deposit will not be required of a student receiving a scholarship from a foreign government, but the student must have a letter on file from that government stating that the scholarship will be paid at the time of registration.

An international applicant must have all of these items on file in the Office of Admissions and Retention no later than June 10 in order to register for the fall semester, November 1 to register for the spring semester, and March 15 to register for the summer session.

International students are subject to the same special requirements regarding satisfactory writing, reading, and mathematics skills as imposed on high school graduates or transfer students based upon their scores on their ACT or SAT exams and the requirements established by the Texas Academic Skills Program.*

6. INSURANCE REQUIREMENTS FOR INTERNATIONAL STUDENTS

All international students are required to purchase the Group Hospitalization, Medical Evacuation, and Repatriation Insurance plan provided through the University for each semester enrolled. The approximate cost of such insurance will be U.S. \$480 for the academic year. International students who fail to purchase this insurance by the first class day of each semester enrolled will be withdrawn from the University. Further information regarding insurance coverage may be obtained from the University's International Student Advisor.

7. OTHER PROVISIONS AND CONDITIONS OF ADMISSION

All other provisions and conditions of admission not covered by the above admission requirements shall be established by the President of the University.

* These Special Requirements are described under the sections on English (p. 250) and Mathematics (p. 316) of this *Bulletin*.

Procedures for Student Appeal on Matters of Residency for Tuition Purposes

1. The original determination concerning the residency of a student shall be made by the Director of Admissions. The determination in every case shall be based upon the Rules and Regulations for Determining Residence Status as adopted by the Coordinating Board, Texas College and University System.
2. Should the student not agree with the determination of his/her residency status, the student may appeal the decision to a committee consisting of the Associate Director of Admissions, the Director of Financial Aid, and the Business Manager, who will chair the committee. This committee will review both sides of the matter in reaching a final decision. The Director of Admissions will attend the hearing and present the basis for his decision, and the student will be allowed to present the basis of his/her appeal of the decision.
3. The decision of the committee shall be final.

General Statement Regarding Transfer Students

Angelo State University (ASU) seeks students from two-year colleges and will assist those students in every reasonable way to make the transition to ASU as efficient as possible. The university will apply up to sixty-six semester credit hours from a two-year college towards a bachelors degree. The semester credit hours (SCH) fulfilling the general education requirements and requirements for the major are designated in the academic departmental sections (p. 181 - 360) of this *Bulletin*. The ASU course numbers and the corresponding course numbers for two-year colleges are given. General Education courses are also listed below.

GENERAL EDUCATION

<u>ASU COURSE(S)</u>	<u>SCH</u>	<u>EQUIVALENT COMMUNITY COLLEGE COURSE(S)</u> <u>TEXAS COMMON COURSE NUMBERS</u>
ENGL 1301	3	ENGL 1301
SOPHOMORE LITERATURE	3	ENGL 2322, 2323, 2332
GOVT 2301	3	GOVT 2301
GOVT 2302	3	GOVT 2302
HIST 1301, 1302	6	HIST 1301, 1302
COMM 2301	3	SPCH 1315
PHYSICAL ACTIVITY*	2	DANC 1115, 1122 PHED 1151, 1152, 1164
LAB SCIENCE**	8	BIOL 1408, BIOL 1409, or BIOL 1411, BIOL 1413 CHEM 1305 AND 1105, CHEM 1307 AND 1107 or CHEM 1411 AND 1412, GEOL 1403, 1404 or GEOL 1303 and 1103, GEOL 1304 and 1104 PHYS 1315 AND 1115, PHYS 1317 AND 1117, PHYS 1311 AND 1111, PHYS 1312 AND 1112
MATH 2331	3	MATH 2313
ART 1301, 2301, 2302		ART 1301, 1303, 1304, or MUSIC 1306 or DRAMA 1310
or MUSIC 1341, or DRAMA 1311	3	
C S 1331, ED 2323, FIN 2323, or USTD 2323	3	COSC 1406
ENGL 3351	3	ENGL 2311
SOCIAL SCIENCE	3	SOC 2339, 1301, 1306, 2319, 2326 ECO 2301, 2302 PSY 2301, 2314, 2315, 2319

* No more than one dancing course or one scuba course will be accepted.

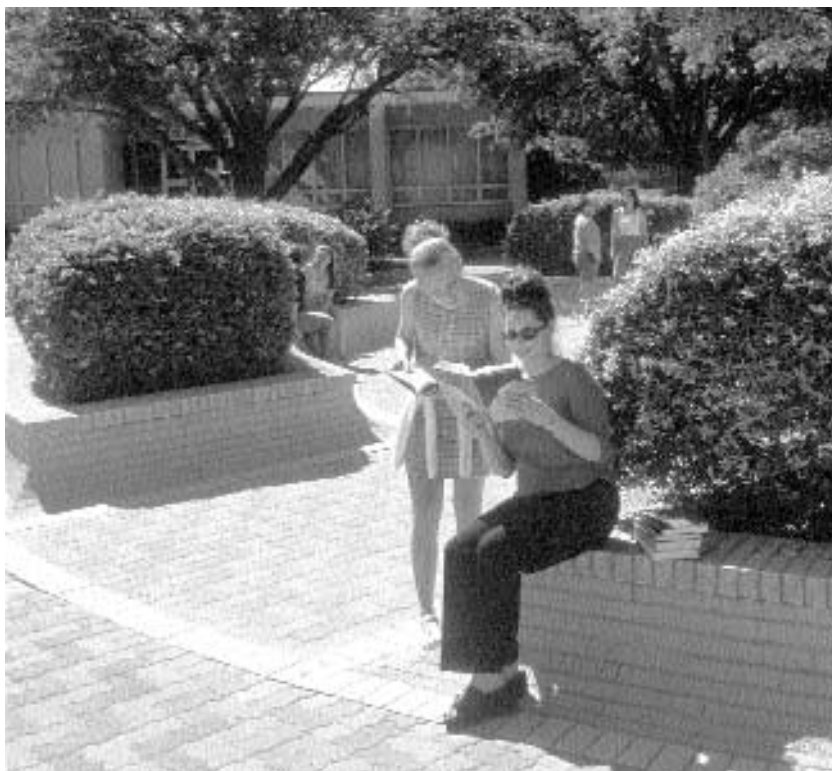
** Lab science courses may be taken in one or two of the designated disciplines.

Policy on Transfer Credit Disputes

The following procedures shall be followed by Texas public institutions of higher education in the resolution of transfer disputes involving lower division courses:

1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, that institution shall give written notice to the student that the transfer of the course credit is denied.
2. A Transfer Dispute Resolution Form must be completed and forwarded to the receiving institution within 15 calendar days after the evaluation has been submitted to the student. (Form available in the Office of Admissions and Retention)
3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Texas Higher Education Coordinating Board rules and/or guidelines;
4. If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within 45 days after the date the student received written notice of the denial, the institution that denies the transfer of the course credit shall notify the Commissioner of its denial and the reason for the denial.

The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institution.



TUITION AND FEES

All students will pay, by the due dates specified in the registration instructions bulletin, the required tuition and fees based on the number of semester credit hours for which they register.

Required tuition and fees for each semester of the 2000-01 academic year and the 2001 summer terms may be determined by using the following table, except for laboratory and individual instruction fees.

Semester Credit Hours	Fall and Spring Semesters		Summer Terms	
	*Texas Resident	**Non- Resident	*Texas Resident	**Non- Resident
1	\$ 236.00	\$ 371.00	\$ 138.50	\$ 333.50
2	281.00	671.00	201.00	631.00
3	326.00	971.00	283.50	928.50
4	411.00	1,271.00	366.00	1,226.00
5	496.00	1,571.00	448.50	1,523.50
6	581.00	1,871.00	522.00	1,812.00
7	666.00	2,171.00	591.00	2,096.00
8	751.00	2,471.00	660.00	2,380.00
9	836.00	2,771.00	729.00	2,664.00
10	905.00	3,055.00		
11	974.00	3,339.00		
12	1,043.00	3,623.00		
13	1,112.00	3,907.00		
14	1,181.00	4,191.00		
15	1,250.00	4,475.00		
16	1,319.00	4,759.00		
17	1,388.00	5,043.00		
18	1,457.00	5,327.00		
19	1,526.00	5,611.00		
20	1,595.00	5,895.00		

Notice : Tuition, fees, and deposits are subject to change by the Texas Legislature or the Board of Regents, Texas State University System. The State tuition for non-resident students is established annually by The Texas Higher Education Coordinating Board. It is the student's responsibility to know the tuition and fees which are in effect for each semester in which the student enrolls. This information may be obtained from the Fiscal Office at Angelo State University.

* Includes (1) \$23 per semester credit hour local tuition fee (2) \$16 per semester credit hour student service fee with \$144 maximum for a long semester and \$13.50 per semester credit hour student service fee with \$72.00 maximum for a summer term or \$144 for a summer session (3) \$20 per student University Center fee for a long semester and \$5 per student for a summer term (4) \$6 per semester credit hour technology services fee (5) \$5 per student publication fee for a long semester and \$2.50 per student for a summer term (6) \$1 per student international education fee for a long semester or a summer term (7) \$35 per student medical service fee for a long semester and \$17.50 per student for a summer term and (8) \$10 per student records maintenance fee for a long semester or summer term.

** See Student Resident Status in this *Bulletin*.

Resident Student Tuition

The State tuition for students classified as residents of the State of Texas during 2000-01 is \$40 per semester hour with a minimum of \$120 for a long semester and \$60 for a summer term.

Non-Resident Tuition

Tuition for a student who is classified as a non-resident student is equal to the cost of attending a State University in Texas as determined annually by The Texas Higher Education Coordinating Board. For 2000-01, this amount is \$255 per semester credit hour.

Technology Services Fee

A mandatory Technology Services Fee of \$6 per semester credit hour is required from all students. This fee is assessed and collected for the purpose of providing academic support services for the operation, maintenance, and replacement of computer hardware and software.

International Education Fee

A mandatory International Education Fee of \$1 is required from all students each long semester and summer term. This fee is assessed and collected for the purpose of assisting students participating in international student exchange or study programs as authorized by V.T.C.A., Education Code Section 54.5132.

Medical Services Fee

Angelo State University charges and collects from all students a mandatory student Medical Services Fee of \$35 per student for a long semester and \$17.50 per student for a summer term in accordance with the provisions of V.T.C.A. Education Code, Section 54.5089. This fee is assessed and collected to provide health clinic services which includes examinations, consultations, diagnosis, and treatment by physicians, and laboratory, prescription, and referral services.

Publications Fee

A compulsory \$5 per student publications fee is required from all students during each long semester, and \$2.50 per student for each summer term. This fee is assessed to pay for University publications such as the University *Bulletin*, student handbooks, and registration schedules.

Records Maintenance Fee

A mandatory Records Maintenance Fee of \$10 is required from all students each long semester and summer term. This fee is assessed and collected for the purpose of maintaining class rolls and student records when schedule changes occur.

Local Tuition Fee

A mandatory Local Tuition Fee of \$23 per semester credit hour is required from all students. This fee is assessed and collected for the occupancy, services, use, and/or availability of all or any of the University's property, buildings, structures, activities, operations, or other facilities as authorized by V.T.C.A., Education Code Section 55.16.

Student Services Fee

Angelo State University charges and collects from all students compulsory Student Services Fees of \$16 per semester credit hour up to a maximum of \$144 for a long semester and \$13.50 per semester hour Student Service Fee with \$72.00 maximum for a

summer term or \$144 for a summer session in accordance with the provisions of V.T.C.A., Education Code Section 54.503(b).

All students who enroll for nine or more semester credit hours will be issued a student identification card with special validation which entitles them to the student services provided to full-time students, including free admission to home athletic events and special rates for many University activities. Students registering for less than nine semester credit hours may pay the maximum Student Services Fee of \$144 and be entitled to the student services provided for full-time students.

Thesis Fee

Resident graduate students enrolling for the thesis only in the final six hours of their graduate programs will pay all fees the same as other resident students.

University Center Fee

Angelo State University charges and collects from all students a compulsory student University Center fee of \$20 per student for a long semester and \$5 per student for a summer term in accordance with the provisions of V.T.C.A., Education Code Section 95.35. This fee is assessed and collected to construct, operate, maintain, improve, and program the Houston Harte University Center.

Other Fees

Besides the required registration fees for each semester of the long session and each term of the summer session, other fees are required in selected areas as listed below.

Laboratory Fees

All courses requiring laboratory facilities, equipment or special materials	15.00
Applied Music Individual Instruction	
1 semester credit hour course.....	20.00
2 semester credit hour course.....	40.00
Physical Activity Courses requiring equipment, locker, and shower facilities.....	10.00 *
Student Teaching Fee all courses requiring student teaching	25.00

Course Fees

Art 1321, 1322, 2311, 2312, 3321, 3322, 3323, 4321	15.00
Art 3311.....	20.00
Art 3324.....	25.00
Art 1371, 3341, 3361, 3362, 3371, 3372, 4341, 4362.....	30.00
Art 3331, 3332, 3333	40.00
B A 4303	22.75
Music 1130, 1131, 1132, 1134, 1137, 1138	15.00
P T 5370, 5572, 5623, 5624, 5710, 6510, 6641, 6711, 6740.....	50.00

* Students enrolled in courses meeting off campus will not be assessed this fee. However, a fee for use of equipment and facilities will be required for all Golf and Bowling classes.

Auditing Fee

Fees for auditing a course are the same as those when taking it for credit. With the approval of the head of the appropriate academic department, individuals 65 years of age or older may audit certain courses offered by the institution without the payment of all tuition and fees if space is available. Information and paperwork may be obtained through the Office of the Registrar. No academic credit will be given for audited courses.

Graduation Fee

A Graduation Fee of \$20.00 is to be paid on or before the established University Calendar deadline date of the fall semester, spring semester, or summer session in which the student plans to graduate. When registering for their final semester, students normally will declare their plans to graduate and apply for graduation, and the Graduation Fee will be included in their total semester costs. For students who do not pay graduation fees in this manner, they will apply for graduation in the office of their academic dean and pay the Graduation Fee in the Fiscal Office by the prescribed date. For August graduates, the Graduation Fee must be paid during the first summer term on or before the date shown in the University Calendar.

Special Fees (Non-Refundable)

American College Testing Program Fee (Residual).....	\$50.00 *
Late Registration Fee.....	25.00
Registered Nursing 1160 NLN testing fee	11.00 *
Registered Nursing 1160 NLN Student Liability Insurance. (Spring).....	9.00 **
Registered Nursing 1361 NLN Student Liability Insurance. (Fall).....	14.50 **
Registered Nursing 1363 NLN testing fee	11.00 **
Registered Nursing 2460 NLN testing fee (Fall)	11.00 **
Registered Nursing 2460 NLN Student Liability Insurance. (Fall).....	14.50 **
Registered Nursing 2460 Arnett CAT testing fee (Spring)	40.00 **
Registered Nursing 2461 NLN testing fee (Fall)	11.00 **
Registered Nursing 2461 NLN Student Liability Insurance. (Fall).....	14.50 **
Registered Nursing 2461 Arnett CAT testing fee (Spring)	40.00 **
Nursing 3402 Student Liability Insurance. (Fall)	14.50 **
Nursing 4302 NLN testing fee	22.00 **
Nursing 4601 Student Liability Insurance. (Fall)	14.50 **
Graduation Fee	20.00 ***
Late Graduation Fee	50.00
Graduate School Application Fee	25.00
Master of Physical Therapy Application Fee	25.00
Physical Therapy 5370 Student Liability Insurance (Summer II)	14.50 **
Physical Therapy 6471 Student Liability Insurance (Summer II)	14.50 **
Physical Therapy 7260 Student Liability Insurance (Summer II)	14.50 **

* This fee is subject to change in accordance with the requirements of the American College Testing Program.

** This fee is subject to change in accordance with the requirements of the National League for Nursing or test provider.

*** This fee cannot be refunded except with the written approval of the appropriate academic dean.

Teacher Certification Deficiency Plan Fee (Non-Refundable)

ASU Graduate	15.00
Non-ASU Graduate	30.00

Parking Fee (Optional and Non-Refundable)

Angelo State University charges and collects an optional, non-refundable parking fee as designated below for students who choose to register a vehicle and use University parking facilities on campus.

	<u>Each Semester</u>	<u>Each Summer Term</u>
Any day student taking 6 or more semester credit hours	\$16.00	\$ 8.00
Any day student taking 5 or less semester credit hours	\$ 9.00	\$ 5.00
Second Vehicles	\$25.00	\$20.00
Replacement hanger	\$ 3.00	\$ 3.00
Motorcycles, mopeds, motor scooters, etc.	\$10.00	\$ 5.00

General Deposit (Refundable)

General Deposit (required all students)	
6 or more semester credit hours	\$10.00
5 or less semester credit hours	\$5.00

Approximate University Expense Per Semester Undergraduate

Required Fees (15 semester credit hours-Texas Resident)	\$1,121
Room and Board	\$1,800 to \$2,085
Textbooks and Supplies	\$250 to \$300
Total	\$3,171 to \$3,506

Textbooks

All students whether residents or nonresidents of Texas will be required to procure such textbooks as are prescribed for the respective courses in which they are enrolled. All required textbooks may be purchased at the University Bookstore located in the Houston Harte University Center. The University Bookstore will in turn purchase these books from the students at the end of each term, depending upon the condition of the book and whether it is still on the required list.

Payments

Fees and deposits are payable as specified in the registration instructions bulletin. Payment may be made by cash, check, money order (made payable to ASU), or credit card (VISA or MasterCard). When checks or drafts are returned unpaid for any reason other than the admitted error of the bank, the student must pay in cash immediately the amount due, plus \$15 for handling. Students who fail to pay the amount due may be subject to appropriate legal action and/or withdrawal from the University.

Tuition and Mandatory Fee Installment Policy

A student may pay for tuition and mandatory fees for the fall and spring semesters during initial registration by one of two methods: (1) full payment, or (2) three installments.

Once a payment plan has been chosen it may not be changed. However, the full amount due plus the applicable fee may be paid at any time.

All scholarships and awards provided by the University and all federal or state grants and loans provided to a student must be applied toward the full amount due to the University for the payment of tuition, fees, and other charges before installment payments are scheduled.

The three installments plan consists of one-half payment of tuition and fees before the beginning of the semester and one-quarter payment prior to the start of the sixth class week, and the final one-quarter payment before the beginning of the eleventh class week. Students living on campus will also pay room and board at the following percentages: thirty-eight percent of the cost due before the beginning of the semester, thirty-one percent due prior to the start of the sixth class week, and the final thirty-one percent due before the beginning of the eleventh class week. The University may set specific payment dates, but in no case will those dates be later than those listed above.

It will be the student's responsibility to pay on time. Installment payments must be made at the Cashier's window, Room 100 of the Administration Building or mailed to the Fiscal Office.

Address Payments to: ASU, Fiscal Office (Billing Services)
P.O. Box 11046
San Angelo, TX 76909

Payments mailed will be considered late if post-marked after the due date. The University will not be responsible for lost mail.

The total installment payment must be paid in full on or before the date due.

A student paying tuition and required fees by installment shall pay an installment fee of twenty-six dollars (\$26).

A student making an installment payment after the due date shall also pay a late payment fee of fifteen dollars (\$15) for each late payment.

A student who fails to make full payment of tuition and fees, including any incidental fees, shall be prohibited from registering for classes or receiving an official copy of transcripts until full payment is made.

A student who fails to make full payment of all charges due prior to the end of the semester may be denied credit for the work done that semester.

A student seeking reinstatement to the University after withdrawing from the University without paying the full amount of tuition and fees due, or after having been denied credit for work done for failure to pay an installment payment fee or late payment fee, shall pay a fifty dollar (\$50) reinstatement fee in addition to past due installment payments and late payment fees.

Students adding courses will be required to pay one-half of the full cost for the additional courses at the time the courses are added.

Students dropping hours will pay installments on the basis of semester hours for which they are currently enrolled, and any refund will be applied to the installment payments.

Students officially withdrawing from the University must pay all tuition and fees owed at the time of withdrawal. Students who fail to pay the amount due upon withdrawal shall have their transcripts tagged and will not be eligible to re-enroll until the full amount due plus a late payment fee of fifteen dollars (\$15) is paid.

The installment method of paying tuition and required fees may be used only for the initial registration at the beginning of the fall and spring semesters. Installments may not be used for registration for shorter periods including second eight-week courses or summer terms.

Student's Financial Obligation Policy

Students are expected to meet financial obligations to the University within the designated time allowed. Registration fees are payable by the due dates specified in the registration instructions bulletin, and students are not entitled to enter class or laboratory until their fees and deposits have been paid. Room and board charges are payable by the due dates specified in the registration instructions bulletin. Failure to pay the amount owed in the allotted time may result in any or all of the following: 1) dismissal from the University, 2) withholding of future registration privileges, 3) withholding the issuance of an official certified transcript, 4) withholding the conferring of a degree.

Refunds

Regular Session: A student officially withdrawing from the University is eligible for refund of tuition and fees according to the following schedule:

1. Prior to first class day100%
2. During the first 5 class days.....80%
3. During the second 5 class days.....70%
4. During the third 5 class days50%
5. During the fourth 5 class days25%
6. After the fourth 5 class days.....None

Summer Session: A student officially withdrawing from the University is eligible for refund of tuition and fees according to the following schedule:

1. Prior to first class day100%
2. During the first, second, or third class day.....80%
3. During the fourth, fifth, or sixth class day50%
4. Seventh day of class and thereafter.....None

A student dropping within the first twelve class days of a long term or the first four class days of a summer term is eligible for a refund of applicable tuition and fees for courses dropped. The summer session refund policy will apply for eight-week courses for any course that is less than a long term in length.

The University may modify the refund policy at any time without prior notice in order to comply with State and/or Federal guidelines. A student will receive payment of any refund for tuition and fees within forty days after official withdrawal from the University. Questions regarding refunds should be directed to the University Fiscal Office.

Statement on Refunds

Angelo State University has adopted and published in the *Student Handbook* "Grievance and Appeal Procedures for Students at Angelo State University." In cases where students or parents feel that individual circumstances warrant exceptions from published policy regarding charges or refunds at Angelo State University and where such matters are not satisfactorily resolved, the matter may be appealed by contacting the Office of the Associate Deans of Student Life as specified in step 2 of the grievance and appeal procedures.

General Deposit: A student may withdraw the general deposit by making a written request to the Fiscal Office stating that the student has no intention of reentering Angelo

State University. The amount of the deposit, less charges, will be refunded by check and mailed at the end of the school year to the address furnished by the student.

Interest will not be paid on the deposit. Refunds not requested within four years of the date of last enrollment will accrue to the benefit of the scholarship funds of the University.

\$1,000 Tuition Rebates

The purpose of this program is to provide tuition rebates that will provide a financial incentive for students to prepare for their university studies and complete their baccalaureate studies with as few courses outside the degree plan as possible. This program is authorized by the Texas Education Code, Section 54.0065.

The major conditions the student must meet to qualify for this program are as follows: (1) they must have enrolled for the first time in an institution of higher education in the fall 1997 semester or later, and (2) they must have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree.

These are the major conditions to qualify for this program. ASU students must complete a Request for Tuition Rebate form in the Registrar's Office during the semester in which graduation is anticipated. For complete details about this program, please contact the Registrar's Office.

HOUSING INFORMATION AND REGULATIONS

Angelo State University recognizes an obligation to students to provide adequate housing and dining facilities at a reasonable cost. Separate housing is provided for men and women. Twin high-rise residence halls, smaller residential facilities, and an apartment complex are available for 1,601 single men and women.

The residence hall program is an integral part of Angelo State University's overall educational objective of providing the best possible environment for the mental, physical, and emotional development of the students attending the institution. Residence hall living is an important part of University life.

In the residence halls, students associate with other students from various cities, states, and nations. Group study and discussions, academic support services, and special programs and activities all enhance the academic environment of the halls. University residence halls offer choices as to boarding plans and payment plans. Recreational facilities are available.

Residence halls serve as a home away from home for many Angelo State University students. Efforts are made to create within each hall an atmosphere fostering a living/learning concept through positive life experiences. In addition to each residence hall operating on a self-regulated hours system, allowing students to enter and leave the hall at any time they wish, a supervised visitation program provides students the opportunity to have guests of the opposite sex visit in their rooms during designated periods of time. This program encourages development of individual responsibilities, self-discipline, social graces, and interpersonal relationships. Each residence hall is provided with 24-hour security by University Police personnel.

Reservations and Prepayment

Prospective students wishing to make reservations for University housing should fill out a Housing Application, located in the back of this *Bulletin* or which may be obtained on

request from the University Residence Life Office. Each reservation form must be accompanied by a room reservation deposit in the amount of \$100. More detailed information concerning the facilities and offerings of campus residence halls can be obtained by contacting the University Residence Life Office, Box 11016 ASU, Angelo State University, San Angelo, Texas 76909, or by calling 915/942-2035. (email address: Housing@angelo.edu)

At the close of registration, room reservation deposits automatically become damage deposits. These deposits are refundable upon request when the student no longer resides in the residence hall, provided that there has been no damage. Those unable to attend Angelo State University after making the room reservation deposits must request any refunds of the deposit, in writing, by July 15 prior to fall registration, and by December 15 prior to spring registration. Those failing to cancel their reservation during this period will not be refunded the \$100 housing deposit.

A student submitting an application to reside in University housing should also submit as soon as possible all the required materials for admission to the University. Students must fulfill all requirements for admission before a housing contract will be issued.

Students receiving housing contracts for the fall semester must submit a \$100 prepayment by July 15 to validate the contract. After making the \$100 prepayment, students who are unable to attend Angelo State University may receive a refund provided a written request is received in the Residence Life Office by July 15. Refunds will not be made after this date.

Housing Policy

Single undergraduate students with less than sixty (60) semester credit hours of college level work who enroll at ASU and carry a total of 12 or more semester credit hours at ASU and who do not live at the full-time established residence of their parent(s) are required to reside in University-owned housing. Requests to commute from a parental residence from a distance of more than 100 miles must have approval from the Office of Residence Life.

The following categories are eligible for an exemption to this policy upon making a written request to the Office of Residence Life.

- (1) students living within 100 miles of San Angelo, Texas, at the full-time established residence of a grandparent or sibling;
- (2) students who are at least 21 years of age prior to the beginning of the subsequent fall or spring semester;
- (3) students who have lived in University-owned housing for four continuous long semesters; or
- (4) students who have at least six months of active duty military service.

Students not meeting any of the above exemption categories who desire to live off campus must submit a special circumstances exemption request to the Office of Residence Life.

Requests for exemptions from the Housing Policy must be submitted along with all supporting documentation on or before August 1 for the fall semester or on or before December 1 for the spring semester.

The required forms for requesting exemptions from the Housing Policy may be obtained from the Office of Residence Life. A University Housing Committee is available to review

the decisions of the Office of Residence Life when an appeal is made by a student whose request for an exemption has been denied.

A student who gives false information concerning housing will be subject to disciplinary action, including suspension from the University. A student found to be living off campus without approval from the Office of Residence Life will be notified through United States mail to move on campus. If this is not accomplished within ten (10) class days, then the Director of Residence Life will initiate disciplinary action.

Exceptions to the Housing Policy

In the event the number of applications received for University housing indicates that spaces will not be available in the residence halls for all who apply, requests to live off campus from students not exempted by the above conditions will be authorized by the Director of Residence Life based upon a priority system which gives consideration to academic classification, age, active military service, and length of time residing in a University residence hall. The priority system used by the Director of Residence Life is one which, in the judgment of the University, will exempt those students who would benefit least from the living and learning experiences provided by the residence halls.

Room and Board Rates*

The room and board rates in the residence halls and monthly rates for student apartments at Angelo State University during the 2000-01 academic year and 2000 summer session are shown below. These amounts are 2000-01 figures and may increase according to economic conditions for 2001-2002 and 2002-03.

*Notice : Room and Board charges are subject to change by the Board of Regents, Texas State University System.



Residence Halls (Single Students)

	Long Semester 2000-01			Summer Term 2001		
	All Students	*Private Room	New Students	*Private Room	Continuing Students	*Private Room
Room and Board:						
(2 persons per room)						
<u>Massie Residence Halls</u>						
7-Day Plan (20 Meals/wk)	\$2,161	\$2,584	—	—	—	—
7-Day Plan (15 Meals/wk)	\$2,145	\$2,568	—	—	—	—
5-Day Plan (15 Meals/wk)	\$2,127	\$2,550	—	—	—	—
Room Only:	—	—	—	—	—	—
<u>High Rise Residence Halls</u>						
7-Day Plan (20 Meals/wk)	\$2,033	\$2,418	—	—	—	—
7-Day Plan (15 Meals/wk)	\$2,017	\$2,402	—	—	—	—
5-Day Plan (15 Meals/wk)	\$1,999	\$2,384	—	—	—	—
<u>Carr Hall (Women)</u>						
7-Day Plan (20 Meals/wk)	\$1,965	\$2,330	—	—	—	—
7-Day Plan (15 Meals/wk)	\$1,949	\$2,314	—	—	—	—
5-Day Plan (15 Meals/wk)	\$1,931	\$2,296	\$653	\$768	\$543	\$650
Room Only:	\$1,215	\$1,580	\$383	\$498	\$292	\$380

Room and Board:

(1 Person per Room)

Runnels Hall for Women andMayer Hall for Men

7-Day Plan (20 Meals/wk)	\$2,100	—	—	—	—	—
7-Day Plan (15 Meals/wk)	\$2,084	—	—	—	—	—
5-Day Plan (15 Meals/wk)	\$2,066	—	\$646	—	\$533	—
Room Only:	\$1,350	—	\$376	—	\$283	—

* Private rooms are subject to availability. The additional fee must be paid in full at the Residence Life Office when resident accepts private room assignment.

Vanderventer Furnished Apartments

	Long Semester 2000-01			2001 Summer Term Monthly Rates		
	All Students	*Private Room	New Students	*Private Room	Continuing Students	*Private Room
RATES WITHOUT BOARD:						
Single Students						
(Four per Apartment)	\$1,120	N/A	\$240	N/A	\$179	N/A
(One per room)	—	\$1,456	—	\$312	—	\$233
Married Students						
(Two-Bedroom Apartments)	N/A	N/A	\$601	N/A	\$601	N/A

* Private rooms are subject to availability. The additional fee must be paid in full at the Residence Life Office when resident accepts private room assignment.

	Long Semester		Summer Term			
MEAL TICKET (PER STUDENT):						
7-Day Plan (20 Meals/wk)	\$750	\$750	—	—	—	—
7-Day Plan (15 Meals/wk)	\$734	\$734	—	—	—	—
5-Day Plan (15 Meals/wk)	\$716	\$716	\$270	\$270	\$270	\$270

UNFURNISHED APARTMENTS (MARRIED STUDENTS)

Rosemont
2000-2001
Monthly Rates

RATES WITHOUT BOARD: (All Students)

One-Bedroom Apartments	\$347
Two-Bedroom Apartments	\$408

The above rates include all utilities. Residents in the Rosemont Apartments must furnish their own ranges and refrigerators. The Vanderventer Apartments are completely furnished.

INSTALLMENT PROGRAM

Students who desire to pay room and board charges in installments (excluding additional private room fee) during 2000-2001 may do so at a moderate additional cost, according to the following schedule:

Fall Semester 2000	Initial Payment				2nd Installment October 1				3rd Installment November 1			
	A	B	C	N	A	B	C	N	A	B	C	N
High Rise Residence Halls	\$773	\$767	\$759	N/A	\$630	\$625	\$620	N/A	\$630	\$625	\$620	N/A
Massie Residence Halls	821	815	809	N/A	670	665	659	N/A	670	665	659	N/A
Carr Hall	747	741	733	461	609	604	599	377	609	604	599	377
Runnels & Mayer Halls	798	792	786	514	651	646	640	418	651	646	640	418
Vanderventer Apartments	710	704	698	426	580	575	569	347	580	575	569	347

Spring Semester 2001	Initial Payment				2nd Installment March 1				3rd Installment April 1			
	A	B	C	N	A	B	C	N	A	B	C	N
High Rise Residence Halls	\$773	\$767	\$759	N/A	\$630	\$625	\$620	N/A	\$630	\$625	\$620	N/A
Massie Residence Halls	821	815	809	N/A	670	665	659	N/A	670	665	659	N/A
Carr Hall	747	741	733	461	609	604	599	377	609	604	599	377
Runnels & Mayer Halls	798	792	786	514	651	646	640	418	651	646	640	418
Vanderventer Apartments	710	704	698	426	580	575	569	347	580	575	569	347

Room and Board Plan A entitles the students to eat twenty meals per week in the Food Service Center (no Sunday evening meal).

Room and Board Plan B entitles students to eat fifteen meals per week in the Food Service Center (Monday through Sunday except Sunday evening meal).

Room and Board Plan C entitles students to eat fifteen meals per week in the Food Service Center (Monday through Friday).

These charges are based on approximately sixteen weeks and do not include periods between semesters or during the Thanksgiving, Christmas, and spring holidays.

Plan N: No Meal plan; this is an option only in Mayer Hall, Runnels Hall, Carr Hall, Vanderventer Apartments, and for residents who have earned 60 or more semester credit hours of college-level work.

Notice: Room and Board charges are subject to change by the Board of Regents, Texas State University System.

Late Payment: Students must pay their installments by the due date or a late fee of \$15 will be assessed.

Single Student Apartments: An alternative to residence hall living is provided in the Vanderventer Apartment complex. This facility will comfortably accommodate four men or four women in each of the thirty-eight units. Each spacious apartment, which is completely furnished, has two bedrooms, a living room-kitchen combination, walk-in closets, two dressing areas, and a bath. The enclosed design of this complex, with all apartment exits opening onto a common courtyard which features recreational and lounge areas, lends itself to privacy and optimum security. A full-time area coordinator is available to assist students in their day-to-day needs. Applications for these apartments are available at the Residence Life Office and must be accompanied by a \$100 refundable deposit in order for applicants to be placed on the waiting list. A \$100 prepayment is due by July 15. There are four direct internet connections in each apartment.

Refunds: Refunds are granted for room and board after the Director of Residence Life receives proper clearance from the appropriate residence hall. All refunds are prorated on a weekly basis. Students should receive their refunds within thirty days from the University Fiscal Office. All requests for refunds must be submitted in writing by the published deadlines.

Insurance: Angelo State University strongly recommends that all students maintain hospitalization insurance to supplement the medical services provided by the University Health Clinic. Any student may enroll in the varsity plan which is available at the University during fall, spring, and summer registrations. Students are encouraged to maintain personal property insurance.

Schedule: The residence halls open for occupancy at 9 a.m. on the day preceding the first day of class. Room keys may be obtained from the hall offices. The first cafeteria meal will be served the following morning. The Men's High Rise, Women's High Rise, Massie Residence Hall for Women and Massie Residence Hall for Men and the cafeteria will be closed between semesters and during Christmas and spring holidays. During these periods the halls will be vacated for necessary repairs and cleaning.

Roommates: The University reserves the right to assign roommates although consideration is given to student preferences where possible. Those interested in rooming with particular students should apply to room together prior to fall registration and prior to spring registration.

Furnishings: Room furnishings in residence halls include beds, mattresses, bed pads, chairs, study table, medicine cabinet, mirror, book shelves, closet for two, and double chests of drawers. Students are expected to furnish their own personal effects, including sheets, pillow, pillow cases, blankets, bedspread, towels, and soap. Study lamps are provided in the high-rise residence halls only. Coin-operated automatic washers and dryers are available in the residence halls. All laundry charges for personal effects are borne by the students.

Electrical Appliances: The use in the residence halls of electrical appliances not provided by the University is subject to authorization. Students should contact the Residence Life Office for information regarding electrical appliances authorized in the residence halls. Students are normally allowed to use small appliances such as radios, computers, lamps, hair dryers, and irons. However, electrical appliances used for storage or preparation of food are prohibited with the exception of University supplied refrigerator units.

Withdrawal: Withdrawal from the residence halls and cafeteria during the semester for reasons other than illness will be grounds for loss of room deposit. Fees and deposits will be forfeited by students who are asked to leave the University for disciplinary reasons or who leave to evade disciplinary action.

Telephones: Telephone service is provided in each residence hall room at no additional cost to the student except for long distance calls for which the student must pay through direct billing by the telephone company. The residence hall phone service features include call-waiting, call-forwarding, call-transfer, three-way-calling, call-hold, last-number-redial, speed-calling, call-park, and caller ID and voice mail. Students desiring telephone service must provide their own telephone instrument.

RULES AND REGULATIONS FOR DETERMINING RESIDENCE STATUS*

Pursuant to the Title 3,
Texas Education Code

GENERAL RULES – EFFECTIVE FALL 1999

Minors and Dependents

Statutory Provisions:

Texas Education Code, Sec. 54.052 (a) (1) (2) (3). "Residence" means "domicile." "Resided in" means "domiciled in." "Dependent" means an individual who is claimed as a dependent for federal income tax purposes by the individual's parent or guardian at the time of registration and for the tax year preceding the year in which the individual registers.

Texas Education Code, Sec. 54.052 (b). For the purposes of this subchapter, the status of a student as a resident or nonresident student is determined as prescribed by this section, subject to the other applicable provisions of this subchapter.

Texas Education Code, Sec. 54.052 (c). An individual who is under 18 years of age or is a dependent and who is living away from his family and whose family resides in another state or has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student.

* The Rules and Regulations Governing Residence Status are subject to change by the Texas Legislature. Any questions regarding changes that have occurred since the printing of this publication may be directed to the Office of Admissions and Retention.

Texas Education Code, Sec. 54.052 (d). An individual who is 18 years of age or under or is a dependent and whose family has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student, regardless of whether he has become the legal ward of residents of Texas or has been adopted by residents of Texas while he is attending an educational institution in Texas, or within a 12-month period before his attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident student.

Texas Education Code, Sec. 54.055. An individual who is 18 years of age or under or is a dependent and whose parents were formerly residents of Texas is entitled to pay the resident tuition fee following the parents' change of legal residence to another state, as long as the individual remains continuously enrolled in a regular session in a state-supported institution of higher education.

Coordinating Board Rules:

Residence of a Minor or a Dependent. Residency of a minor or dependent is based on one of the following circumstances:

- (1) The residence of the parent who has custody of the dependent at the time of enrollment (upon divorce of parents);
- (2) The residence of the parent who has claimed the dependent for federal income tax purposes both at the time of enrollment and for the tax year preceding enrollment; or
- (3) The residence of the parent with whom the dependent has resided for the 12 months prior to enrollment.

Custody by Court Order. If the custody of the minor has been granted by court order (e.g., divorce decree, child custody action, guardianship or adoption proceedings) to some person other than the parent, the residence of that person shall control; provided, however, that such grant of custody was not ordered during or within a year prior to the minor's enrollment in an institution of higher education and was granted under circumstances indicating that such guardianship was not for the purpose of obtaining status as a resident student. If the minor is not residing with either parent, and there is no court-appointed guardian, the residence of the parent with whom the minor last resided shall be presumed to control. If, however, the minor has resided with, and has been dependent upon a grandparent for more than a year prior to enrollment in an institution of higher education, the residence of that natural guardian shall be regarded as the minor's residence. The residence of a person other than a parent or a natural or legal guardian, who may furnish funds for payment of tuition, fees, or living expenses, shall in no way affect the residence classification of a minor.

Abandoned Child. In the case of an abandoned child, the residence of a person who has stood in loco parentis for a period of time may determine the residence. The fact of abandonment must be clearly established and must not have been for the purpose of affecting the residence of the minor. Also, the minor must have resided in the home of such person for two years immediately prior to enrolling in a public institution of higher education in Texas, and such person must have provided substantially all the minor's support. In the event that the in loco parentis relationship has not existed for the full two-year period, a lesser period of time is acceptable in unusual hardship cases, such as death of both parents.

Orphans. Orphans who have lived for longer than a year in an established orphan's home in Texas operated by a fraternal, religious, or civic organization and have been graduated from the orphan's home shall be considered residents of Texas provided they

reside in Texas from the time of such graduation until they enter an institution of higher education.

Emancipation. Under certain circumstances, minors may become emancipated or freed from parental control. If their parents have ceased to exercise parental control and responsibility, if they are responsible for all of their own decisions and affairs, and if they are not dependent on their parents, minors may establish "emancipation." If emancipation is clearly proved, the residence classification of the minors is determined by their own residence rather than the residence of the parents. After 12 months in Texas under such circumstances, minors may be classified as residents, if they otherwise satisfy the statutory requirements applicable to those over 18 (see page 17 of this publication regarding presumption arising from residence while a student). Proof of emancipation is the responsibility of the minor.

Married Minors. Minors who are married have the power and capacity of single persons of full age.

Dependents. Whose Parents Move to Another State or Foreign Country and no Longer Claim Residence in Texas. If both of the parents of dependents who have been enrolled as resident students move their residence to another state or foreign country, the dependents shall be classified as nonresidents at all subsequent registration periods.

(1) Under the provisions of Texas Education Code §54.055, although classified as nonresidents, the dependents will be entitled to pay the resident tuition fee as long as they remain continuously enrolled in a state-supported institution of higher education. Such dependent students must enroll for the next available fall or spring semester immediately following the parents' change of residence to another state.

(2) When the parents of dependents who have established their residence in another state or foreign country return and reestablish their residence in Texas the dependents must continue to be classified as nonresidents until the first registration after the parents have resided in the state for a 12-month period.

Dependents Whose Parents Move to Another State or Foreign Country but Continue to Claim Texas Residence.

(1) If both of the parents of dependents move to another state or foreign country, or reside outside the state or in a foreign country at the time the dependents enroll in a Texas public institution of higher education, but claim residence in Texas, conclusive evidence must be presented that the parents are still claiming residence in the State of Texas and that they have the present intent to return to the state. A certificate from the employer of the parents that the move outside the state was temporary (generally less than five years) and that there are definite plans to return the parents to Texas by a determinable future date will be considered in this connection.

(2) If both of the parents of dependents move to another state or foreign country, or reside outside the state or in a foreign country at the time the dependents enroll in a Texas public institution of higher education, but claim residence in Texas, conclusive evidence must be presented that the parents are still claiming residence in the State of Texas and that they have the present intent to return to the state. A certificate from the employer of the parents that the move outside the state was temporary (generally less than five years) and that there are definite plans to return the parents to Texas by a determinable future date will be considered in this connection.

Independent Individuals 18 Years of Age or Older

Statutory Provisions:

Texas Education Code, Sec. 54.052 (e). An individual who is 18 years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he continues to maintain a legal residence in Texas.

Texas Education Code, Sec. 54.052 (f). An individual who is 18 years of age or over who resides out of the state or who has come from outside Texas and who registers in an educational institution before having resided in Texas for a 12-month period shall be classified as a nonresident student.

Texas Education Code, Sec. 54.052 (g). An individual who would have been classified as a resident for the first five of the six years immediately preceding registration but who resided in another state for all or part of the year immediately preceding registration shall be classified as a resident student.

Coordinating Board Rules:

Establishment of Residence. Independent individuals 18 years of age or over who move into the state and who are gainfully employed within the state for a period of 12 months prior to enrolling in an institution of higher education are entitled to classification as residents. An individual who is self-employed or employed as a homemaker within the home may be considered gainfully employed for tuition purposes. If such 12 months residence, however, can be shown not to have been for the purpose of establishing residence in the state but to have been for some other purpose, the individuals are not entitled to be classified as residents. Students enrolling in an institution of higher education prior to having resided in the state for 12 months immediately preceding time of enrollment shall be classified as nonresidents for tuition purposes.

Establishment of Residence for Individuals 18 Years of Age or Older Whose Parents or Court-appointed Legal Guardians No Longer Claim Them as Dependents for Federal Tax Purposes. If the parents or legal guardians of an individual 18 years of age or older move out of state and continue to claim the individual as a dependent for tax purposes, the individual continues to have the residence of the parents or guardians. If the individual remains in Texas, he/she may claim residency for tuition purposes as an independent student after twelve months have passed from the end of the last calendar year in which the parents or guardians claimed the student as a dependent.

Retention of Residence. If the parents of an individual 18 years of age or older move out of the state and immediately cease claiming the student as a dependent for federal tax purposes, the individual may retain his/her claim to Texas residency for tuition purposes if he/she remains in Texas and begins filing federal income tax returns as an independent student.

Married Students

Statutory Provision:

Texas Education Code, Sec. 54.056. A student who is a resident of Texas and who marries a nonresident is entitled to pay the resident tuition fee as long as the student does not adopt the legal residence of the spouse in another state.

Coordinating Board Rules:

Marriage of a Texas resident to a nonresident does not jeopardize the former's right to pay the resident tuition rate unless the resident has taken steps to claim the out-of-state residence of his/her spouse. A nonresident who marries a resident of Texas must establish his/her own residency by meeting the standard requirements.

Foreign Students

Statutory Provisions:

Texas Education Code, Sec. 54.057 (a). An alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a declaration of intention to become a citizen has the same privilege of qualifying for resident status for fee purposes under this Act as has a citizen of the United States. A resident alien residing in a junior college district located immediately adjacent to Texas boundary lines shall be charged the resident tuition by that junior college.

Texas Education Code, Sec. 54.057 (b). A nonimmigrant alien who resides in this state in accordance with the Agreement between the Parties to the North Atlantic Treaty Regarding the Status of Their Forces (4 U.S.T. 1792) and the spouse or children of such an alien are residents for tuition and fee purposes under this code.

Coordinating Board Rules:

Eligible Aliens. Aliens living in the United States under a visa permitting permanent residence, aliens who are permitted by Congress to adopt the United States as their domicile while they are in this country, and aliens who have filed with the proper federal immigration authority a declaration of intent to become a United States citizen have the same privilege of qualifying for Texas resident status for tuition purposes as do citizens of the United States.

The U.S. Immigration and Naturalization Service (INS) has identified the following categories of foreign students as being eligible to establish domicile in the United States. However, if an individual provides proof from the U.S. Department of Justice or Immigration and Naturalization Service that the visa he/she holds has granted eligibility to establish a domicile in the United States, such individuals may be granted the same privileges in establishing Texas residency for tuition purposes:

- (1) holders of visas with A-1, A-2, G-1, G-2, G-3, G-4, K, or OP-1 classifications; and
- (2) individuals classified by INS as Refugees, Asylees, Parolees, Conditional Permanent Residents (holding I-551 cards which have not expired), and Temporary Residents (holding I-688B cards which have not expired). Students holding I-688A and I-688B cards are not eligible to establish domicile in the United States.

A declaration of intent to become a citizen, according to the U.S. Department of Justice, may only be filed by the following four groups:

- (1) permanent residents;
- (2) aliens lawfully admitted for temporary residence under § 245A(a)(1) of the Immigration and Naturalization Act (holders of I-688 cards which have not expired);
- (3) aliens admitted as refugees; and,
- (4) aliens granted asylum.

12-Month Residence. An individual who enters the state under a visa which does not allow the establishment of a domicile and who obtains permanent resident status while in Texas may not be reclassified for tuition purposes until he/she has been granted per-

manent resident status and has resided in Texas a minimum of 12 consecutive months from the date on which he/she applied for permanent resident status.

Family Unity Program. A noncitizen residing in Texas under the Immigration and Naturalization Service's (INS) Family Unity Program may qualify to pay the resident tuition rate.

A noncitizen is eligible to apply for benefits under the Family Unity Program if he/she entered the United States on or before May 5, 1988, has been residing in the United States since that date and was the spouse or unmarried child of a legalized alien as of that date and continues to be so.

An individual proving his/her eligibility should provide an institution two Immigration and Naturalization Service forms I-797, one which indicates an INS-approved "Application for Voluntary Departure under the Family Unity Program," and the other which must indicate either an INS-approved "Immigration Petition for Relative" or a "Visa Petition for Spouse." Since INS may cancel eligibility for the Family Unity Program at any time, higher education institutions must confirm the student's current INS status each time he/she registers.

To comply with the provisions of the Family Unity Program and qualify to pay resident tuition rates at Texas institutions, the parent or spouse must have established a domicile in the state of Texas.

NATO Forces Stationed in Texas. Nonresident aliens stationed in Texas as part of the agreement among the parties to the North Atlantic Treaty regarding status of forces, their spouses, and dependent children are entitled to pay the same tuition rate at public institutions of higher education as residents of Texas.

Homeless Individual

Statutory Provision:

Texas Education Code, Sec. 54.052 (i). The Texas Higher Education Coordinating Board shall adopt rules allowing a homeless individual, as defined by 42 U.S.C. § 11302, who resides in Texas for the 12-month period immediately preceding the date of registration but who does not have a permanent residence to be classified as a resident student only for purposes of vocational education courses at public junior colleges.

Coordinating Board Rules:

A homeless individual who resides in Texas for the 12-month period immediately preceding the date of registration, but who does not have a permanent residence in Texas, may enroll in vocational education courses at a public community/junior college by paying the resident tuition rate.

For this purpose, a homeless individual is defined by 42 United States Code § 11302, which states, "the term homeless or homeless individual or homeless person" includes,

- (1) an individual who lacks a fixed, regular, and adequate nighttime residence; and,
- (2) an individual who has a primary nighttime residence that is:
 - (A) a supervised publicly or privately operated shelter designed to provide temporary living accommodations;
 - (B) an institution that provides temporary residence for individuals intended to be institutionalized; or
 - (C) a public or private place not designed for, or ordinarily used as, a regular sleeping accommodation for human beings.

Documentation for a homeless individual may consist of written statements from the office of one or more legitimate social service agencies in Texas, attesting to the provision of services to the homeless individual over the previous 12-month period.

Students who are Beneficiaries of the Texas Tomorrow Fund

Coordinating Board Rule:

The tuition and required fees charged by an institution of higher education for semester hours and fees that are paid for by a prepaid tuition contract shall be determined as if the beneficiary of that contract is a resident student. If a student is a nonresident, any tuition and fees not paid by the contract will be assessed at the nonresident rate.

RECLASSIFICATION

Statutory Provisions:

Texas Education Code, Sec. 54.054. A nonresident student classification is presumed to be correct as long as the residence of the individual in the state is primarily for the purpose of attending an educational institution. After residing in Texas for at least 12 months, a nonresident student may be reclassified as a resident student as provided in the rules and regulations adopted by the Coordinating Board, Texas College and University System (known now as the Texas Higher Education Coordinating Board). Any individual reclassified as a resident student is entitled to pay the tuition fee for a resident of Texas at any subsequent registration as long as he continues to maintain his legal residence in Texas. Before February 15, 1972, the Coordinating Board, Texas College and University System, shall promulgate such rules and regulations.

Coordinating Board Rules:

Reclassification. Persons classified as nonresidents upon first enrollment in an institution of higher education are presumed to be nonresidents for the period during which they continue as students. Students classified as nonresident students shall be considered to retain that status until they make written application for reclassification in the form prescribed by the institution and are officially reclassified in writing as residents of Texas for tuition and admissions purposes by the proper administrative officers of the institution. Application for reclassification should be submitted prior to the official census date of the relevant term.

If such nonresident students withdraw from school and reside in the state while gainfully employed for a period of 12 consecutive months, upon re-entry into an institution of higher education they will be entitled to be reclassified as residents for tuition purposes if other evidence indicates they have established a domicile in the state of Texas. Accumulations of summer and other vacation periods do not satisfy this requirement.

If such nonresident students enroll while gainfully employed for a period of 12 consecutive months, they shall be considered for reclassification as residents for tuition purposes if other evidence indicates they have established a domicile in the state of Texas.

Material to the determination of the establishment of a domicile in Texas are business or personal facts or actions unequivocally indicative of a fixed intention to reside permanently in the state. Such facts shall include, but are not limited to:

- (1) the length of residence and employment prior to enrolling in the institution;
- (2) the nature of employment while a student;
- (3) presence in Texas as a part of a household transferred to the state by an employer or as part of a household moved to the state to accept employment offered in Texas;

(4) purchase of a homestead; or

(5) dependency upon a parent or legal guardian who has resided in Texas for at least 12 consecutive months immediately preceding the student's enrollment.

All of these facts are weighed in the light of the fact that a student's residence while in school is primarily for the purpose of education and not to establish residence, and that decisions of an individual as to residence are generally made after the completion of an education and not before. A person who moves to Texas as the spouse of an individual transferred here by the military (see pp. 31 of this publication, relating to Military Personnel, Veterans and Commissioned Officers of the Public Health Service), through the state's plan for economic development and diversification (see pp. 41 of this publication, relating to Economic Development and Diversification Employees) or as a part of a household moved to the state to accept employment offered in Texas is considered not to have come to Texas for the purpose of going to school. Therefore, after he/she has physically resided in Texas for 12 consecutive months, even though the student may have been enrolled full-time, the person may be considered a resident if he/she has otherwise established a domicile in the state.

Loss of Residence. Residents who move out of state will be classified as nonresidents immediately upon leaving the state, unless their move is temporary (generally less than five years) and residence has not been established elsewhere. Conclusive evidence must be provided by the individuals supporting their present intent to return to the state. Among other things, a certificate from the employer that the move outside the state is temporary and that a definite future date has been determined for return to Texas may qualify as proof of the temporary nature of the time spent out of state. Internship programs as part of the academic curriculum that require the student to return to the school may qualify as proof of the temporary nature of the time spent out of state.

Re-establishment of Residence. Persons who resided in Texas for at least five years prior to moving from the state, and who have returned to the state for residence purposes before having resided out of the state for a year, shall be classified as residents.

Application for Reclassification. Students classified as nonresident students shall be considered to retain that status until they make written application for reclassification in the form prescribed by the institution, and are officially reclassified in writing as residents of Texas by the proper administrative officers of the institution.

Reclassification as a Nonresident. Persons who have been classified as residents of Texas shall be reclassified as nonresident students whenever they shall report, or there is found to exist, circumstances indicating a change in residence to another state. If students who have been classified as residents of Texas are found to have been erroneously classified, those students shall be reclassified as nonresidents and shall be required to pay the difference between the resident and nonresident tuition for those semesters in which they were so erroneously classified.

Reclassification as a Resident. If students have been erroneously classified as nonresident students and subsequently prove to the satisfaction of the appropriate officials of an institution of higher education that they should have been classified as a resident student, they shall be reclassified as residents of Texas and may be entitled to a refund of the difference between the resident and nonresident fees for the semesters in which they were so erroneously classified. Normally the refunds must be requested and substantiated during the current term.

Appeals to the Texas Higher Education Coordinating Board

Coordinating Board Rule:

In the event two or more Texas public institutions of higher education determine a different residency status for members of the same family with identical evidence of residency currently enrolled at each institution, the individuals who were the subject of the residency determination may appeal the unfavorable decision to the Commissioner of Higher Education. Before making an appeal to the Commissioner, the student classified as a nonresident must exhaust all appeal processes available at the institutional level. A decision by the Commissioner as to one family member's residency status will apply to each family member with identical evidence of residency at any institution of higher education he/she attends.

RESPONSIBILITIES

Statutory Provisions:

Texas Education Code, Sec. 54.0521 (a). Before an individual may register at an institution of higher education paying tuition at the rate provided for residents, the individual must affirm under oath, to the appropriate official at the institution, that the individual is entitled to be classified as a resident for purposes of tuition.

Texas Education Code, Sec. 54.0521 (b). If the institution later determines that the individual was not entitled to be classified as a resident at the time of the individual's registration, the individual shall, not later than 30 days after the date the individual is notified of the determination, pay to the institution the amount the individual should have paid as a nonresident.

Texas Education Code, Sec. 54.0521 (c). If the individual fails to make a timely payment as required by this section, the individual is not entitled to receive a transcript or to receive credit for courses taken during the time the individual was falsely registered as a resident student.

Students

Coordinating Board Rules:

Oath of Residency. When completing the oath of residency portion of an application for admission process, the student is responsible for registering under the proper residence classification and for providing documentation as required by the public institution of higher education. If there is any question as to the right to classification as a resident of Texas, it is the student's obligation, prior to or at the time of enrollment, to raise the question with the administrative officials of the institution in which enrolling for official determination. Students classified as Texas residents must affirm the correctness of that classification as a part of the admissions procedure. If the student's classification as a resident becomes inappropriate for any reason, it is the responsibility of the student to notify the proper administrative officials at the institution. Failure to notify the institution constitutes a violation of the oath of residency and will result in disciplinary action.

Institutions

Coordinating Board Rules:

Review of Enrollment and/or Registration Forms. Each public institution of higher education is responsible for reviewing enrollment and/or registration applications for errors, inconsistencies, or misclassifications of residency status. Institutions should obtain written documentation to resolve any problems noted during the review of forms.

Affirmation of Residence for Returning Students. When an independent student classified as a resident has been out of school for 12 months or more, an institution may continue the classification as resident upon receipt of an affirmation from the student that he/she has not changed his/her state of residence since the student's last enrollment at that institution, provided the institution has documentation of residence status on file. When a dependent student classified as a resident has been out of school for 12 months or more, an institution may continue the student's classification as a resident upon receipt of an affirmation from the student that his/her parents or legal guardians have not changed their state of residence since the student's last enrollment at that institution, provided the institution has documentation of residence status on file.

Oath of Residency. Each public institution is responsible for incorporating a core of residency questions and an oath of residency into its student application for admission process. The required core of questions has been developed by Coordinating Board staff with the assistance of an advisory committee. Answers to the questions should be reviewed to determine each student's proper residency classification. If any of the answers raise questions as to the appropriateness of classification, the institution must file and maintain a copy of one or more appropriately dated documents which will certify that the student classified as a resident has legal right to such classification as of the official census date of the semester or term for which enrolling. Documents which cannot legally or conveniently be reproduced should be observed by an official of the institution and pertinent information about the documents should be noted and signed by the observing official. Such notations should be maintained in the school's records for audit purposes. Documents acceptable for this purpose include, but are not limited to:

- (1) Texas high school transcript for the full senior year immediately preceding the full semester enrolled;
- (2) Texas college or university transcript (in conjunction with other documents from the institution);
- (3) Employer statement of date of employment;
- (4) Permanent driver's license (at least one year old). The license expiration date minus date of enrollment should not exceed three years;
- (5) Texas voter registration;
- (6) Lease agreement which includes student's name and period covered;
- (7) Property tax payments for the year preceding enrollment;
- (8) Canceled checks;
- (9) Utility bills for the year preceding enrollment;
- (10) A signed, dated, and notarized comprehensive residence questionnaire;
- (11) (For aliens) proof of permanent residence classification which is eligible for the establishment of a domicile in Texas;
- (12) An income tax form or, if current year federal tax form has not been filed, a signed, notarized statement regarding the student's independence or regarding the individual(s) claiming the student as a dependent;
- (13) A current credit report which documents the student's place and length of residence;

(14) Other third party documentation which confirms residency status for the 12-month period preceding enrollment; and

(15) For a homeless individual, documentation may consist of written statements from the office of one or more legitimate social service agencies located in Texas attesting to the provision of services to the individual over the previous 12-month period.

PENALTIES

Statutory Provisions:

Texas Education Code, Sec. 54.053. The governing board of each institution required by this chapter to charge a nonresident tuition or registration fee is subject to the rules, regulations, and interpretations issued by the Coordinating Board, Texas College and University System (known now as the Texas Higher Education Coordinating Board), for the administration of the nonresident tuition provisions of this subchapter. The rules, regulations, and interpretations promulgated by the coordinating board shall be furnished to the presidents or administrative heads of all Texas public senior and junior colleges and universities.

The governing board of an institution of higher education may assess and collect from each nonresident student who fails to comply with the rules and regulations of the board concerning nonresident fees a penalty not to exceed \$10 a semester.

Coordinating Board Rule:

Each institution has been authorized by statute to assess and collect from nonresident students failing to comply with the provisions of the tuition statute and with these interpretations concerning nonresident fees a penalty not to exceed \$10 a semester. In addition, if students have obtained residence classification by virtue of deliberate concealment of facts, or misrepresentation of fact, they may be subject to appropriate disciplinary action, in accordance with the rules and regulations that may be adopted by the governing boards of the respective institutions of higher education.

EXCEPTIONS

Military Personnel, Veterans and Commissioned Officers of the Public Health Service

Statutory Provisions:

Texas Education Code, Sec. 54.058. (a). Military personnel are classified as provided by this section.

Texas Education Code, Sec. 54.058 (b). A person who is an officer, enlisted person, selectee, or draftee of the Army, Army Reserve, Army National Guard, Air National Guard, Air Force, Air Force Reserve, Navy, Navy Reserve, Marine Corps, Marine Corps Reserve, Coast Guard, or Coast Guard Reserve of the United States, who is assigned to duty in Texas, and the spouse and children of such an officer, enlisted person, selectee, or draftee, are entitled to register in a state institution of higher education by paying the tuition fee and other fees or charges required of Texas residents, without regard to the length of time the officer, enlisted person, selectee, or draftee has been assigned to duty or resided in the state. However, out-of-state Army National Guard or Air National Guard members attending training with Texas Army or Air National Guard units under National Guard Bureau regulations may not be exempted from nonresident tuition by virtue of that training status nor may out-of-state Army, Air Force, Navy, Marine Corps, or Coast Guard Reserves training with units in Texas under similar regulations be exempted from nonresident tuition by virtue of that training status. It is the intent of the legislature that only those members of the Army or Air National Guard or other reserve forces men-

tioned above be exempted from the nonresident tuition fee and other fees and charges only when they become members of Texas units of the military organizations mentioned above.

Texas Education Code, Sec. 54.058 (c). As long as they reside continuously in Texas, the spouse and children of a member of the Armed Forces of the United States who has been assigned to duty elsewhere immediately following assignment to duty in Texas are entitled to pay the tuition fees and other fees or charges provided for Texas residents.

Texas Education Code, Sec. 54.058 (d). A spouse or dependent child of a member of the Armed Forces of the United States, who is not assigned to duty in Texas but who has previously resided in Texas for a 12-month period, is entitled to pay the tuition fees and other fees or charges provided for Texas residents for a term or semester at a state institution of higher education if the member:

(1) at least one year preceding the first day of the term or semester executed a document with the applicable military service that is in effect on the first day of the term or semester and that:

(A) indicates that the member's permanent residence address is in Texas; and

(B) designates Texas as the member's place of legal residence for income tax purposes;

(2) has been registered to vote in Texas for the entire year preceding the first day of the term or semester; and

(3) satisfies at least one of the following requirements:

(A) for the entire year preceding the first day of the term or semester has owned real property in Texas and in that time has not been delinquent in the payment of any taxes on the property;

(B) has had an automobile registered in Texas for the entire year preceding the first day of the term or semester; or

(C) at least one year preceding the first day of the term or semester executed a will that has not been revoked or superseded indicating that the member is a resident of this state and deposited the will with the county clerk of the county of the member's residence under Section 71, Texas Probate Code.

Texas Education Code, Sec. 54.058 (e). A Texas institution of higher education may charge to the United States government the nonresident tuition fee for a veteran enrolled under the provisions of a federal law or regulation authorizing educational or training benefits for veterans.

Texas Education Code, Sec. 54.058 (f). The spouse and children of a member of the Armed Forces of the United States who dies or is killed are entitled to pay the resident tuition fee if the wife and children become residents of Texas within 60 days of the date of death.

Texas Education Code, Sec. 54.058 (g). If a member of the Armed Forces of the United States is stationed outside Texas and his spouse and children establish residence in Texas by residing in Texas and by filing with the Texas institution of higher education at which they plan to register a letter of intent to establish residence in Texas, the institution of higher education shall permit the spouse and children to pay the tuition, fees, and other charges provided for Texas residents without regard to length of time that they have resided in the state.

Texas Education Code, Sec. 54.058 (h). United States Air Force personnel stationed outside the State of Texas who are enrolled in the bachelor of science or master of science degree program in radiological sciences at Midwestern State University by instructional telecommunication will be entitled to pay tuition fees and other fees or charges provided for Texas residents if they began the program while stationed at an Air Force base in Texas. In this subsection, "instructional telecommunication" means instruction delivered primarily by telecommunication technology, including open-channel television, cable television, closed-circuit television, low power television, communication and/or direct broadcast satellite, satellite master antenna system, microwave, videotape, videodisc, computer software, computer networks, and telephone lines.

Texas Education Code, Sec. 54.058 (i). A former member of the Armed Forces of the United States or the former member's spouse or dependent child is entitled to pay the tuition fees and other fees or charges provided for Texas residents for any term or semester at a state institution of higher education that begins before the first anniversary of the member's separation from the Armed Forces if the former member:

- (1) has retired or been honorably discharged from the Armed Forces; and
- (2) has complied with the requirements of Section 54.058 (d).

Coordinating Board Rules:

General Rule of Domicile for Members of the Military. Persons in military service and commissioned Public Health Service Officers are presumed to maintain during their entire period of active service the same domicile which was in effect at the time of entering the service. Persons stationed in a state for military or Public Health Service are presumed not to establish a domicile in that state because their presence is not voluntary but under military or Public Health Service orders.

Change of Domicile. It is possible for members of the military service or Public Health Service to abandon the domicile of original entry into the service and to select another, but to show establishment of a new domicile during the term of active service, there must be clear and unequivocal proof of such intent, including:

- (1) evidence of abandonment of domicile of original entry;
- (2) evidence of establishment of a domicile in Texas; and
- (3) proof that Texas has remained the individual's domicile when stationed outside of Texas after having established Texas as his/her domicile.

Abandonment of Domicile. Abandonment of domicile of original entry is evidenced by the establishment of a domicile in Texas.

Establishment of a Domicile in Texas. Establishment of a domicile in Texas requires 12 consecutive months assignment to the state, during which the military member must simultaneously file the appropriate documentation to change his/her military records to reflect Texas as the state of legal residence. Other actions may be considered in determining whether a domicile has been established in Texas. If four of the following actions have been taken by the military member at least 12 months immediately prior to the date of enrollment and continue to be in effect, the member has established a domicile in Texas:

- (1) purchasing a residence and claiming it as a homestead;
- (2) registering to vote and voting in local elections;
- (3) registering automobiles in Texas and paying personal property taxes thereon;
- (4) maintaining a Texas driver's license;

- (5) maintaining checking accounts, savings accounts, or safe deposit boxes in Texas;
- (6) having wills or other legal documents that indicate residence in Texas;
- (7) having membership in professional organizations or other state organizations; and/or
- (8) establishing a business in Texas.

Retention of Domicile in Texas. To prove Texas has remained his/her domicile when stationed outside of Texas, the individual must provide evidence that he/she was a Texas resident upon entry into the service and that Texas continues to be his/her state of record with the military. If he/she has established a domicile in Texas while in the service in accordance with subsection (d) of this section, the member must currently meet at least three of the following criteria to qualify to pay the resident tuition rate at a public institution of higher education:

- (1) owning a residence in Texas and claiming it as a homestead;
- (2) registering to vote and voting in Texas elections;
- (3) registering automobiles in Texas and paying personal property taxes thereon;
- (4) maintaining checking accounts, savings accounts, or safe deposit boxes in Texas;
- (5) maintaining a Texas driver's license; and/or,
- (6) having wills or other legal documents indicate residence in Texas.

Eligibility of Nonresident Military Personnel, Commissioned Public Health Service Officers, and Their Spouses and Their Dependents. Certain military and Public Health Service personnel, spouses and dependent children classified as nonresidents are entitled to pay the resident tuition regardless of their length of residence in Texas if they comply with the statutory requirements identified below and on pages 32 - 35 of the hard copy brochure.

Status of Military Personnel and Commissioned Public Health Service Officers, Their Spouses and Dependents Stationed in Texas. Military personnel assigned to duty within the state of Texas as well as their spouse and their dependent children, shall be entitled to pay the same tuition as a resident of Texas regardless of the length of their physical presence in the state. To be entitled to pay resident tuition, such military personnel shall submit at least once per 12-month academic year as defined by the institution a statement from an appropriately authorized officer in the service certifying that they are then assigned to duty in Texas and that the service will be in effect at the time of enrollment in a public institution of higher education. This same provision also applies to commissioned Public Health Service Officers, their spouses, and their dependents. This subsection also provides that nonresident members of an out-of-state National Guard unit who are temporarily training with a Texas National Guard unit will not be entitled to pay the resident tuition.

Status of Spouses and Dependents of Military Personnel or Commissioned Public Health Service Officers who are Reassigned Out-of-State. If they reside continuously in the state of Texas, the spouse and dependent children of members of the armed forces previously assigned to active duty in Texas but reassigned to duty outside the state of Texas may pay resident tuition rates. This provision also applies to spouses and dependents of commissioned Public Health Service Officers.

Status of Spouses and Dependents of Military Personnel or Commissioned Public Health Service Officers Stationed in Out-of-State Locations. The spouse and dependent children of members of the armed forces who are assigned to duty outside the state of Texas may be entitled to pay the resident tuition if they reside in Texas and file with the public institution of higher education at which a child or spouse plans to register a letter of intent, an affidavit, or other evidence satisfactory to the institution stating they intend to become permanent residents of Texas. This provision also applies to commissioned Public Health Service Officers, their spouses, and their dependents.

Status of Spouses and Dependents of Military Personnel or Commissioned Public Health Service Officers once Stationed in Texas but now Stationed in Out-of-State Locations. A spouse or dependent child of a member of the U.S. armed forces, who is not assigned to duty in Texas but who has previously resided in Texas for a 12-month period, is entitled to pay the tuition fees and other fees or charges provided for Texas residents at a state institution of higher education if the member:

- (1) at least one year preceding the first day of the term or semester executed a document with the applicable military service that is in effect on the first day of the term or semester and that indicates that the member's permanent residence address is in Texas and designates Texas as the member's place of legal residence for income tax purposes;
- (2) has been registered to vote in Texas for the entire year preceding the first day of the term or semester; and
- (3) satisfies at least one of the following requirements for the entire year preceding the first day of the term or semester:
 - (A) has owned real property in Texas and in that time has not been delinquent in the payment of any taxes on the property;
 - (B) has had an automobile registered in Texas for the entire year preceding the first day of the term or semester; or,
 - (C) at least one year preceding the first day of the term or semester, executed a will that has not been revoked or superseded indicating that the member is a resident of this state and deposited the will with the county clerk of the county of the member's residence under Section 71, Texas Probate Code.

Status of Spouses and Dependents of Military Personnel or Commissioned Public Health Service Officers who Die While in Military or Public Health Service. Members of the immediate family (which includes the spouse or dependent children) of members of the armed forces who die while in military service may qualify to pay the resident tuition if they become residents of Texas within 60 days of the date of death. To qualify under this provision, the students shall submit to the institution of higher education satisfactory evidence establishing the date of death and residence in Texas. This provision also applies to commissioned Public Health Service Officers and their dependents.

Nonresidents Attending College Under Federal Benefits Programs for Veterans. The public institution of higher education may charge the nonresident tuition fee for nonresident veterans to the United States government under the provision of any federal law or regulation authorizing educational or training benefits for veterans.

Waiver of Nonresident Tuition for Veterans or Commissioned Public Health Service Officers Upon Separation from Military or Public Health Service. A former member of the U.S. armed forces or the former member's spouse or

dependent child is entitled to pay the tuition fees and other fees or charges provided for Texas residents for any term or semester at a public institution of higher education that begins before the first anniversary of the member's separation from the armed forces if the former member has retired or been honorably discharged from the armed forces and has complied with the requirements of Texas Education Code § 54.058 (d) (see pp. 25, regarding Military Personnel, Veterans, and Commissioned Officers of the Public Health Service).

Students Enrolled in ROTC Programs. A nonresident student who is a member of an ROTC unit will be required to pay nonresident tuition rates until such time as the student has signed a contract which cannot be terminated by the student and which obligates the student to serve a period of active military duty.

Students Enrolled in Radiological Sciences. United States military personnel stationed outside the State of Texas who are enrolled in the bachelor of science or master of science degree program in radiological sciences at Midwestern State University by instructional telecommunication will be entitled to pay tuition fees and other fees or charges provided for Texas residents if they began the program while stationed at a military base in Texas.

Other Federal Employees. The privilege of paying resident tuition rates described in this section is restricted to persons in the military service and commissioned officers of the Public Health Service, and is not extended to other federal employees.

Civilian Employees of the Military. The privilege of paying resident tuition rates described in this section is restricted to persons in the military service and commissioned officers of the Public Health Service and is not extended to civilians employed by the military or the Public Health Service.

A nonresident who marries a resident of Texas who is in the military must establish his/her own residency by meeting the standard requirements for married students.

Teachers, Professors and their Dependents

Statutory Provisions:

Texas Education Code, Sec. 54.059. A teacher or professor of an institution of higher education, and the spouse and children of such a teacher or professor, are entitled to register in an institution of higher education by paying the tuition fee and other fees or charges required for Texas residents without regard to the length of time the teacher or professor has resided in Texas. A teacher or professor of an institution of higher education and the teacher's or professor's family are entitled to the benefit of this section if the teacher or professor is employed at least one-half time on a regular monthly salary basis by an institution of higher education.

Coordinating Board Rule:

Teachers and professors employed at least half time on a regular monthly salary basis (not as hourly employees) by any Texas public institution of higher education may pay the same tuition as a resident of Texas for themselves, their spouses, and their dependent children, regardless of the length of residence in the state if their effective date of employment is on or prior to the official census date of the relevant term(s).

To be entitled to pay the resident tuition fees, such employees must submit, prior to the time of each enrollment, a statement certifying employment from the director of personnel or a designated representative of the institution of higher education by which he/she is employed. This provision applies to eligible teachers and professors and their dependents no matter which Texas public institution of higher education they may attend.

It is the intent of this rule that employment be for the duration of the period of enrollment for which a waiver is awarded.

Students Employed as Teaching or Research Assistants

Statutory Provisions:

Texas Education Code, Sec. 54.063. A teaching assistant or research assistant of any institution of higher education and the spouse and children of such a teaching assistant or research assistant are entitled to register in a state institution of higher education by paying the tuition fees and other fees or charges required for Texas residents under Section 54.051 of this code, without regard to the length of time the assistant has resided in Texas, if the assistant is employed at least one-half time in a teaching or research assistant position which relates to the assistant's degree program under rules and regulations established by the employer institution.

Coordinating Board Rule:

Students employed as teaching or research assistants at least half time by any public institution of higher education in a degree program-related position with an effective date of employment on or before the official census date of the relevant term(s), may pay the same tuition while attending any public institution of higher education as a resident of Texas for themselves, their spouses, and their dependent children regardless of the length of residence in the state.

The institution which employs the students shall determine whether or not the students' jobs relate to their degree programs. This provision applies to eligible teaching assistants, research assistants and their dependents no matter which Texas public institution of higher education they may attend. It is the intent of this rule that employment be for the duration of the period of enrollment for which a waiver is awarded.

Competitive Scholarship Recipients

Statutory Provisions:

Texas Education Code, Sec. 54.064 (a). A student who holds a competitive scholarship of at least \$1,000 for the academic year or summer for which the student is enrolled and who is either a nonresident or a citizen of a country other than the United States of America is entitled to pay the fees and charges required of Texas residents without regard to the length of time the student has resided in Texas. The student must compete with other students, including Texas residents, for the scholarship and the scholarship must be awarded by a scholarship committee officially recognized by the administration and be approved by the Texas Higher Education Coordinating Board under criteria developed by the board.

Texas Education Code, Sec. 54.064 (b). The total number of students at an institution paying resident tuition under this section for a particular semester may not exceed five percent of the total number of students registered at the institution for the same semester of the preceding academic year.

Texas Education Code, Sec. 54.065. A student is entitled to pay the fees and charges required of Texas residents without regard to the length of time the student has resided in Texas if the student:

- (1) holds a competitive academic scholarship or stipend;
- (2) is accepted in a clinical and biomedical research training program designed to lead to both doctor of medicine and doctor of philosophy degrees; and
- (3) is either a nonresident or a citizen of a country other than the United States of America.

Coordinating Board Rules:

Certain students receiving competitive scholarships may be exempted from paying non-resident tuition rates.

Approved Procedures for Awarding General Competitive Scholarships. Each institution awarding nonresident tuition waivers based on competitive scholarships shall have in the appropriate office of the institution a memorandum from the institution's administration granting the scholarship committee the authority to award scholarships which include a nonresident tuition waiver option. In addition, the scholarship committee shall maintain records which verify that residents as well as nonresidents were eligible to compete for the scholarship and the criteria used to select scholarship recipients.

To qualify for exemption from paying nonresident tuition rates, students must be awarded competitive scholarships totaling at least \$1,000 for the academic year, the summer session, or both by an official scholarship committee or committees of the public institution of higher education they are attending. If nonresidents or foreign students in competition with other students, including Texas residents, obtain these competitive scholarships, the students may pay the same tuition as a resident of Texas during the registration period in which the competitive scholarship is in effect.

For a competitive scholarship to qualify a student to pay the resident rate, both the funds and the selection process must be under the control of the institution. At the time the competitive scholarship is made, the institution must designate the term or terms of the current 12-month academic year as defined by the institution in which the scholarship will be in effect.

Scholarship funds need not be disbursed in each term covered by the scholarship and waiver, but documentation for the scholarship must define the relevant time period for the scholarship. The waiver's time period will be the same as that of the scholarship. If the scholarship is terminated for any reason, the waiver shall also cease as of the end of the enrollment period in which the scholarship is terminated.

An institution shall not waive nonresident tuition on the basis of competitive scholarships for more than 5 percent of its total enrollment in the corresponding semester or term of the previous academic year. If the recipient of the scholarship is concurrently enrolled at more than one institution, the waiver of nonresident tuition is only effective at the institution awarding the scholarship.

Beginning with awards for fall 1998, institutions of higher education that offer competitive scholarships shall adopt a written policy describing the factors to be used by the institution in making an award. A policy adopted under this section shall be published in the institution's or unit's catalog and shall be made available to the public in advance of any deadline for the submission of an application for a competitive scholarship to which the policy applies.

A nonresident or foreign student is eligible to pay the fees and charges required of Texas residents if the student holds a competitive academic scholarship or stipend and is accepted in a clinical biomedical research training program designed to lead to both a doctor of medicine and doctor of philosophy degree.

Concurrent Enrollment Under a Partnership Agreement. A nonresident student who is simultaneously enrolled in two or more institutions of higher education under a program offered jointly by the institutions under a partnership agreement and who pays the fees and charges required of Texas residents at one of the institutions as provided by Texas Education Code § 54.064 (see pp. 39, regarding Competitive Scholarships) because the student holds a competitive scholarship is entitled to pay the fees

and charges required of Texas residents at each public institution of higher education in which the student is simultaneously enrolled under the program.

Economic Development and Diversification Employees

Statutory Provisions:

Texas Education Code, Sec. 54.052 (h). An individual who has come from outside Texas and registered in an educational institution before having resided in Texas for a 12-month period immediately preceding the date of registration is entitled to pay the tuition fee and other fees required of Texas residents if the individual or a member of his family has located in Texas as an employee of a business or organization that became established in this state as part of the program of state economic development and diversification authorized by the constitution and laws of this state and if the individual files with the Texas institution of higher education at which he registers a letter of intent to establish residency in Texas.

Coordinating Board Rule:

An individual who has come from outside Texas and registered in a Texas public higher education institution before having resided in Texas for a 12-month period immediately preceding the date of registration, and his dependents, are entitled to pay the tuition fee and other fees required of Texas residents if the individual has located in Texas as an employee of a business or organization within five years of the date that such business or organization became established in this state as part of the program of state economic development and diversification authorized by the constitution and laws of this state if the individual files with the Texas institution of higher education at which he registers a letter of intent to establish residency in Texas.

If the spouse or dependent child of an individual transferred to Texas under conditions qualifying the family for the Economic Development and Diversification waiver of non-resident tuition enrolls in a Texas institution of higher education prior to the physical relocation of the family, the spouse or child may receive the waiver if he/she provides the institution proof from the employer of their intent and expectation of the family's relocation to Texas prior to the end of the semester in which the waiver is granted. Continuation of the waiver for a second term depends on written proof from the employer that the family has moved to the state as expected.

SPECIAL PROGRAMS

Tuition Rates of Individuals from Bordering States or Countries

Statutory Provisions:

Texas Education Code, Sec. 54.060 (a). The nonresident tuition fee prescribed in this chapter does not apply to a nonresident student who is a resident of Arkansas, Louisiana, New Mexico, or Oklahoma and who registers in a public upper-level institution of higher education, two-year institution in the Lamar University System, Texas public junior college, or public technical institute that is situated in a county immediately adjacent to the state in which the nonresident student resides. The nonresident tuition fee prescribed in this chapter does not apply to a nonresident student who is a resident of New Mexico or Oklahoma and who registers in a public technical institute that is situated in a county that is within 100 miles of the state in which the nonresident student resides and who is admitted for the purpose of utilizing available instructional facilities. The nonresident student described in this subsection shall pay an amount equivalent to the amount charged a Texas student registered at a similar school in the state in which the nonresident student resides. For purposes of this subsection, "public upper-level institution of higher education" means an institution of higher education that offers only ju-

nior-level and senior-level courses or only junior-level, senior-level, and graduate-level courses.

Texas Education Code, Sec. 54.060 (b). The foreign student tuition fee prescribed in this chapter does not apply to a foreign student who is a resident of a nation situated adjacent to Texas, who registers in any general academic teaching institution, as defined in Section 61.003(3) of this code, or component of the Texas State Technical College System in a county immediately adjacent to the nation in which the foreign student resides or who registers for lower division courses at a community or junior college having a partnership agreement pursuant to Subchapter N, Chapter 51, of this code, with an upper-level university and both institutions are located in the county immediately adjacent to the nation in which the foreign student resides, or who registers in Texas A&M University-Kingsville or Texas A&M-Corpus Christi, and, except as provided by this subsection, who demonstrates a financial need after the financial resources of the foreign student and the student's family are considered. The foreign student described in this subsection shall pay tuition equal to that charged Texas residents under Sections 54.051 and 54.0512 of this code. The coordinating board shall adopt rules governing the determination of financial need of students under this subsection and rules governing a pilot project to be established at general academic teaching institutions and at components of the Texas State Technical College System in counties that are not immediately adjacent to the nation in which the foreign student resides.

Texas Education Code, Sec. 54.060 (f). The nonresident tuition fee prescribed by this chapter does not apply to a nonresident student who is a resident of a county or parish of Arkansas, Louisiana, New Mexico, or Oklahoma that is adjacent to this state and who registers in an institution of higher education, as defined by Section 61.003, the governing board of which has agreed to admit the student at the resident tuition fee prescribed by this chapter. The state in which the student resides must allow a resident of a county of this state that is adjacent to that state to register in a public institution of higher education in that state at the tuition fee charged residents of that state. The student shall pay tuition equal to that charged residents of this state at the institution.

Coordinating Board Rules:

Residents of a State Bordering Texas. Nonresidents who are residents of a state of the United States bordering Texas and who register in a public upper-level institution of higher education, two-year institution in the Lamar University System or in any Texas public technical college or public junior/community situated in a county immediately adjacent to the state in which the nonresident student resides are entitled to pay an amount equivalent to the amount charged a Texas student registered at a similar school in the bordering state. However, the amount paid by the nonresident for tuition may not be less than the amount charged Texas residents to attend the Texas institution.

Nonresidents who are residents of New Mexico or Oklahoma and who register in a public technical college that is situated in a county within 100 miles of the state in which nonresident student resides are entitled to pay an amount equivalent to the amount charged a Texas student registered at a similar school in the bordering state. However, the amount paid by the nonresident for tuition may not be less than the amount charged Texas residents to attend the Texas institution.

The admitting Texas public junior/community college, public technical college, public senior upper-level institution or two-year institution in the Lamar University System must have on file a copy of a letter from the Chief Executive Officer of the comparable neighboring state institution which certifies that eligible Texas residents are entitled to pay in-state tuition at the comparable neighboring state institution. To be valid, the certifying letter must have been issued no longer than two years before the start of the involved

enrollment period; also, a copy of the letter must be filed with the Texas Higher Education Coordinating Board.

Citizens of Mexico. A citizen of Mexico who registers for instruction offered by a general academic teaching institution or component of the Texas State Technical College System in a county bordering Mexico or who registers for lower division courses at a community or junior/community college having a partnership agreement pursuant to Texas Education Code, Subchapter N, Chapter 51, with an upper-level university and both institutions are located in the county immediately adjacent to the nation in which the foreign student resides, or who registers at Texas A&M University- Kingsville or Texas A&M University-Corpus Christi is eligible to pay tuition equal to that charged Texas residents provided the student demonstrates a financial need after the resources of the student and the student's family have been considered.

General academic teaching institutions other than Texas A&M University-Kingsville and components of the Texas State Technical College System, located in counties which are not adjacent to Mexico, may allow a limited number of citizens of Mexico who demonstrate financial need to register and pay the Texas resident tuition rate at their institution. The number of such students each institution may enroll in any one term is not to exceed two eligible students per thousand of enrollment of the institution's total enrollment in that term. Institutions with fewer than 5,000 students may enroll up to ten eligible students.

Residents of Adjacent Counties of Bordering States. A nonresident student who is a resident of a county or parish of Arkansas, Louisiana, New Mexico or Oklahoma that is adjacent to this state and who registers in a Texas public institution of higher education, the governing board of which has agreed to admit the student at the resident tuition fee prescribed by this chapter, shall pay tuition equal to that charged residents of this state at the institution. The state in which the student resides must allow a resident of a county of this state that is adjacent to that state to register in a public institution of higher education in that state at the tuition fee charged residents of that state.

The admitting Texas institution must have on file a copy of a letter from the Chief Executive Officer of a neighboring state public institution which certifies that eligible Texas residents are entitled to pay in-state tuition at the neighboring state institution or a copy of a memorandum from the board that such a letter has been provided by a Texas institution and is on file at the board. To be valid, the certifying letter must have been issued no more than two years before the start of the involved enrollment period; also, a copy of the letter must be filed with the Texas Higher Education Coordinating Board. For the Coordinating Board memorandum to justify a waiver, the student's enrollment period must fall within the eligibility period indicated in the memorandum by the board.

Nonresident Tuition Rates at Public Universities Located Within 100 Miles of the Border of Another State

Statutory Provisions:

Texas Education Code, Sec. 54.061. On the written request of the governing board of a general academic teaching institution located not more than 100 miles from the boundary of this state with another state, the Texas Higher Education Coordinating Board may set a nonresident tuition rate that is lower than the nonresident tuition rate otherwise provided by this chapter if the coordinating board determines that the lower rate is in the best interest of the institution and will not cause unreasonable harm to any other institution of higher education.

Coordinating Board Rules:

The Coordinating Board may set a nonresident tuition rate that is lower than the regular nonresident tuition rate based on a written request from the governing board of a general academic teaching institution located not more than 100 miles from the boundary of Texas with another state. A request to set a lower nonresident tuition rate must be based on an action of the governing board of the institution requesting a particular tuition rate and must explain why the lower tuition rate is in the best interest of the institution and why such a rate will not cause unreasonable harm to any other institution of higher education.

The Coordinating Board may not set the nonresident tuition rate at a rate lower than the tuition rate for residents of Texas, plus \$30 per semester credit hour. Only general academic teaching institutions located no more than 100 miles from the border of another state may qualify for a lower tuition rate for nonresidents. The lower nonresident tuition rate shall apply only to residents of a state or states a portion of which is within 135 miles of the requesting institution.

Junior/Community College Tuition Adjustments for Out-of-District Students

Statutory Provisions:

Texas Education Code, Sec. 130.0032 (a). The governing board of a public junior college district may allow a person who resides outside the district and who owns property subject to ad valorem taxation by the district, or a dependent of the person, to pay tuition at the rate applicable to a student who resides in the district.

Texas Education Code, Sec. 130.0032 (b). The governing board of a public junior college district may allow a person who resides outside the district and in the taxing district of a contiguous public junior college district to pay tuition and fees at the rate applicable to a student who resides in the district.

Texas Education Code, Sec. 130.0032 (c). The governing board of a public junior college district may allow a person who resides outside the district to pay tuition and fees at a rate less than the rate applicable to other persons applicable to a student who resides in the district, if the person:

- (1) resides within the service area of the district;
- (2) does not reside in an independent school district that meets the criteria of the coordinating board for the establishment of a junior college district under section 130.013; and,
- (3) demonstrates financial need in accordance with rules adopted by the Texas Higher Education Coordinating Board.

Coordinating Board Rules:

The governing board of a public junior/community college district may allow a person who resides outside the district and who owns property subject to ad valorem taxation by the district, or a dependent of the person, to pay tuition at the rate applicable to a student who resides in the district.

The governing board of a public junior/community college district may allow a person who resides outside the district and in the taxing district of a contiguous public junior/community college district to pay tuition and fees at the rate applicable to a student who resides in the district.

The governing board of a public junior/community college district may allow a person who resides outside the district to pay tuition and fees at a rate less than the rate applicable to other persons residing outside the district, but not less than the rate applicable to a student who resides in the district, if the person:

- (1) resides within the service area of the district;
- (2) does not reside in an independent school district that meets the criteria of the coordinating board for the establishment of a junior/community college district under Section 130.013; and
- (3) demonstrates financial need in accordance with rules adopted by the Texas Higher Education Coordinating Board.

Tuition Rates for Individuals Enrolled in Distance Learning Programs

Basic residency requirements apply to all courses for which an institution receives tax support (formula funding). There are no state statutes that provide special rules for determining residency for individuals taking classes from Texas institutions via distance learning. For all such courses, student residency classifications must be documented.

Section 54.545 of the Texas Education Code indicates that residency and exemptions and waivers do not apply to continuing education courses which do not receive formula funding (i.e., tax support).

State residency requirements also do not apply to courses for which your institution receives no formula funding (for instance, executive MBA programs and courses taught under contract, for which the full cost is paid by the contracting bodies).



STUDENT FINANCIAL AID

The philosophy of Angelo State University is based on the premise that deserving and capable students who wish to attend the University should not be deprived of this opportunity due to financial need. Angelo State University through the Office of Student Financial Aid provides counseling and assistance to students experiencing financial difficulties. Assistance may be provided through scholarships, employment, loans, grants, or a combination of these programs, depending on the student's needs. Scholarships (other than the Carr AFROTC Scholarships) are arranged through the Office of Student Financial Aid.

SCHOLARSHIPS

Numerous scholarships in various amounts are awarded annually in recognition of academic achievement, outstanding leadership qualities, and exceptional promise or potential. Many of the scholarship programs have been established through endowments or trusts by benefactors of the University, and the scholarships are awarded on the basis of criteria designated by the benefactors. In most cases, financial need is a consideration in the selection of students to be awarded scholarships.

A student who receives a scholarship award and subsequently withdraws from the University prior to the completion of the semester for which the award is made may be required to repay to the University a portion of the scholarship award. The amount of the repayment due the University will be computed by subtracting from the amount of the scholarship award the actual cost of tuition and fees and an allowance for books, room, and board prorated through the date of withdrawal.

The two largest scholarship endowments at Angelo State University described below were established by Mr. and Mrs. Robert G. Carr.

Robert G. Carr and Nona K. Carr Academic Scholarships

Mr. and Mrs. Robert G. Carr bequeathed to the Board of Regents, Texas State University System, as Trustees for the use and benefit of Angelo State University, their very significant joint interests in oil, gas, and other minerals with the provision that these properties be held in trust for the purpose of providing academic scholarships for the needy and worthy students who are enrolled at Angelo State University. This public, charitable, and educational trust has been designated as the Angelo State University Robert G. Carr and Nona K. Carr Scholarship Foundation. Scholarships are awarded on a competitive basis to qualified undergraduate and graduate students who enroll in any department or training program of the University.

Angelo State University currently has approximately 1,000 students enrolled who are recipients of Carr Academic Scholarships. The initial scholarship awards for the academic year will range in value from \$1,500 to \$6,000 for full-time undergraduate students. Scholarship awards for graduate study cover required tuition and fees, and full-time graduate students may be considered for additional funds of up to a maximum of \$4,500 for the calendar year of eligibility. The academic criteria for selection and application deadlines are as follows:

High School Seniors:

- rank in the top 15 percent of graduating class, and
- score a combined math and verbal score of 1140 on the Scholastic Assessment Test (SAT) or
- score a composite score of 25 or higher on the Enhanced ACT Assessment.

The priority deadline for new applications and all supporting materials is February 1. Applications may be considered after this priority deadline until June 1, to the extent that funds are available.

Currently Enrolled and Transfer Students:

- At least 30 semester credit hours at ASU or transferable to ASU earned with a minimum 3.40 cumulative grade point average (GPA) by the February 1 or November 1 deadline.

The priority deadline for new applications and all supporting materials is February 1. Applications may be considered after this priority deadline until June 1, to the extent that funds are available. Currently enrolled and transfer students who were ineligible to apply for the February deadline may apply for the spring semester by submitting a complete application by November 1.

Graduate Students:

- A 3.00 or better GPA on all undergraduate work attempted from an accredited college or university and a 3.50 or better GPA on all graduate work attempted AND
- A combined verbal/quantitative/analytical score of at least 1350 on the Graduate Record Exam (GRE) or a total of at least 450 on the Graduate Management Admission Test (GMAT) AND
- A score of at least 3500 from the formula: $600 \times \text{GPA} + \text{all three portions of the GRE}$ or A score of at least 1200 from the formula: $200 \times \text{GPA} + \text{GMAT total}$.

The priority deadlines for new applications and all supporting materials are: February 1 for the academic year, April 1 for the summer session, November 1 for the spring semester only.

Priority is given to individuals of high academic ability with financial need who have demonstrated special qualities warranting honor, respect, and esteem. Carr Academic Scholarships are awarded without regard to race, color, religion, age, sex, national origin, or handicap.

Carr Academic Scholarships are awarded for one academic year with one half of the award to be given for the fall and spring semesters provided the recipient remains in good standing and meets the academic requirements established for Carr Academic Scholarship recipients. At the discretion of the University, a Carr Academic Scholarship awarded to an entering freshman may be renewed to provide a maximum of four academic years (eight semesters) of undergraduate study or until the completion of the requirements for the baccalaureate degree, whichever occurs first. The semesters of scholarship eligibility for a currently enrolled or transfer college student will be limited to those normally required for completion of the first baccalaureate degree. Semesters of

eligibility for a graduate student will be determined by the student's degree plan and the student's status as either a full-time or part-time Carr Scholarship recipient and will be limited to the number of semesters normally required for the completion of the first master's degree.

Scholarship application materials and information regarding Carr Academic Scholarships may be obtained by contacting or writing to: Carr Academic Scholarship Program, Angelo State University, P.O. Box 11015, ASU Station, San Angelo, TX 76909 (telephone: 915/942-2246; toll free: 1-800/933-6299; FAX 915/942-2082; e-mail: carr@angelo.edu).

Mr. and Mrs. Robert G. Carr Air Force ROTC Scholarships

Through a \$1,000,000 endowment fund established at Angelo State University by the late Mr. and Mrs. Robert G. Carr, approximately 100 Air Force ROTC Scholarships up to \$1,500 are awarded annually to highly qualified students who enroll in the University's Air Force ROTC program while pursuing baccalaureate degrees in their chosen fields. These awards are made on the basis of scholarship, leadership abilities, and, for those currently enrolled, contributions to Air Force ROTC. The Carr Air Force ROTC Scholarship recipients are selected by a scholarship board composed of AFROTC faculty. The selection board will convene once each month beginning in January, and recipients will be notified within one week after the board convenes. Students applying for the Carr Air Force ROTC Scholarship will be evaluated on ACT/SAT scores, high school or university grade point average, class standing in high school, and recommendations.

Information and materials regarding the Carr Air Force ROTC Scholarships may be obtained by contacting or writing to: AFROTC Det 847, Carr AFROTC Scholarship, P.O. Box 10905, ASU Station, San Angelo, TX 76909 (telephone: 915/942-2036; FAX 915/942-2143; e-mail: afrotc847@angelo.edu).

Other Scholarships Available Through the Office of Student Financial Aid

Approximately 750 University scholarships of varying amounts are awarded by the University Financial Aid Committee each year to Angelo State University students. They are made available on the basis of need, special ability, or special interest. Only students intending to carry a full academic load (at least 12 semester credit hours) and pursuing a degree at Angelo State University are eligible. Scholarships are awarded for one year, provided that the recipient meets academic standards, and at the end of a year the student must reapply.

Applications for the following University scholarships should be completed prior to June 1 for the fall semester and November 1 for the spring semester. Inquiries and requests for application forms, unless otherwise indicated, should be directed to the Office of Student Financial Aid.

AEP/WEST TEXAS UTILITIES COMPANY SCHOLARSHIP

Donor: AEP/West Texas Utilities Company

Eligibility: U. S. citizen; certification from a WTU Company official that the applicant has been a WTU electric residential customer of a year or more (children of such customers are also eligible)

Amount: Variable

Number per year: Variable

AIR FORCE SERGEANTS ASSOCIATION/COORS DISTRIBUTING COMPANY SCHOLARSHIP

Donor: Air Force Sergeants Association/Coors Distributing Company

Eligibility: Dependent children or spouses of U.S. Air Force active duty, retired or deceased personnel who meet academic requirements and demonstrate financial need

Amount: \$500

Number per year: One

MR. AND MRS. THEO ALEXANDER SCHOLARSHIP

Donor: Mr. and Mrs. Theo Alexander
Eligibility: Deserving students
Amount: Variable
Number per year: One

B AND W SCHOLARSHIP

Donor: Elaine and Billie Briley in honor of their parents W. C. Briley, Willa Lois Blackwood, Clifford Watkins, and Ruth Wetsel
Eligibility: Graduates of Winters and Ballinger High Schools with an average of 80 or above
Amount: \$500
Number per year: One

JOSEPHINE MORRIS BALLARD SCHOLARSHIP

Donor: Al B. and Frances Trammel Moore
Eligibility: Worthy and deserving students from any Coleman County high school
Amount: Variable
Number per year: Variable

ELIJAH LUSK BARNES, JR., MEMORIAL SCHOLARSHIP

Donor: Estate of Elijah Lusk Barnes
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

BERTHA B. BECTON SCHOLARSHIP

Donor: Estate of Bertha B. Becton
Eligibility: High academic standing
Amount: Variable
Number per year: Variable

CELIA BERWIN MEMORIAL FOUNDATION

Donor: Celia Berwin Memorial Foundation
Eligibility: Good academic ability and be active in activities outside the classroom
Amount: Variable
Number per year: Variable

OLA FAY BETTESWORTH MEMORIAL SCHOLARSHIP

Donor: Estate of Ola Fay Bettesworth
Eligibility: Deserving students with good academic standing
Amount: Variable
Number per year: Variable

O. S. CAUTHEN SCHOLARSHIP

Donor: Family and friends of O. S. Cauthen
Eligibility: Deserving students who are determined, persistent, and courteous
Amount: Variable
Number per year: Variable
General Statement: Dr. Cauthen, Vice President for University Affairs, retired on August 31, 1993, after completing over thirty years of service to Angelo State University.

JOHN C. COLEMAN SCHOLARSHIP

Donor: Estate of John C. Coleman
Eligibility: Worthy and deserving students
Amount: \$300 to \$500
Number per year: Variable

FRED MORRISON CONNALLY SCHOLARSHIP

Donor: Family and friends of Fred Morrison Connally
Eligibility: Deserving students
Amount: Variable
Number per year: One or more

MR. AND MRS. X.B.M. COX MEMORIAL SCHOLARSHIP

Donor: Family and friends of Mr. and Mrs. X.B.M. Cox
Eligibility: Scholastic ability and need
Amount: Variable
Number per year: One

JOHN M. AND NELLE GREENE DAVENPORT MEMORIAL SCHOLARSHIP

Donor: Estate of John M. Davenport
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

C. J. "RED" DAVIDSON SCHOLARSHIP

Donor: C. J. Red Davidson
Eligibility: Students in need of financial aid
Amount: Variable
Number per year: Variable

ALAN DAVIS MEMORIAL SCHOLARSHIP

Donor: Family of Alan Davis
Eligibility: Graduate of any Coleman County high school
Amount: \$500
Number per year: One

DEMOCRATIC CLUB SCHOLARSHIP

Donor: Tom Green County Democratic Club
Eligibility: President of the Young Democrats at Angelo State University, must be a full-time student in good standing.
Amount: \$500
Number per year: One

ELMER E. EDGINGTON SCHOLARSHIP FUND

Donor: Elmer and Elizabeth Edgington
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

JAMES H. AND MINNIE M. EDMONDS MEMORIAL SCHOLARSHIP

Donor: James H. and Minnie M. Edmonds Educational Foundation
Eligibility: Undergraduate or graduate students who possess the desire, talent, and ability to attend Angelo State University and who show financial need
Amount: \$1,000
Number per year: Approximately 20

BUSTER FICKLING MEMORIAL SCHOLARSHIP

Donor: Family and friends of Buster Fickling
Eligibility: Deserving student
Amount: Variable
Number per year: Variable

GENERAL SCHOLARSHIP

Donor: Friends of ASU
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

IDA GERBER MEMORIAL SCHOLARSHIP

Donor: San Angelo Business and Professional Women's Club
Eligibility: Deserving sophomore, junior, or senior female residents of the Concho Valley
Amount: \$1,000
Number per year: Two

BILL R. HALE MEMORIAL SCHOLARSHIP

Donor: Family and friends of Bill R. Hale
Eligibility: Deserving students
Amount: \$200
Number per year: One

NEVEL "RED" HALEY AND GENEVA HALEY MEMORIAL SCHOLARSHIP

Donor: Family and friends of Nevel and Geneva Haley
Eligibility: Deserving students in need of financial aid with 2.50 or greater grade point average
Amount: Variable
Number per year: One

O. D. HARRISON, JR., MEMORIAL SCHOLARSHIP

Donor: Friends of O. D. Harrison, Jr.
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

PORTER AND FAUSTINE HENDERSON MEMORIAL SCHOLARSHIP

Donor: Faculty, friends, and family of Porter and Faustine Henderson
Eligibility: Deserving students
Amount: \$150 to \$200
Number per year: Two or more
General Statement: Mr. Henderson served as president of the Board of Trustees of San Angelo College for almost twenty years.

INSURANCE WOMEN OF SAN ANGELO

Donor: Insurance women of San Angelo

Eligibility: General Scholarship Fund with the University selecting recipient(s) based on the criteria established for awarding scholarships to deserving students

Amount: Variable

Number per year: Variable

NOEL RYON JAMES MEMORIAL SCHOLARSHIP

Donor: Family and friends of Noel Ryon James

Eligibility: Worthy and deserving student

Amount: Variable

Number per year: One

ROBERT JUNELL SCHOLARSHIP

Donor: Robert Junell and friends of Robert Junell

Eligibility: Freshman students planning to teach from Tom Green, Sterling, Coke, and Mitchell counties

Amount: \$1,000

Number per year: Four

JAMES W. KELLER MEMORIAL SCHOLARSHIP

Donor: Parents of James W. Keller

Eligibility: Needy students

Amount: \$500

Number per year: One

LA ACADEMIA SCHOLARSHIP

Donor: La Academia

Eligibility: Deserving students

Amount: \$200 to \$1,000

Number per year: Three to fifteen

T. R. (TED) LOYD MEMORIAL SCHOLARSHIP

Donor: Family and friends of T. R. (Ted) Loyd

Eligibility: Deserving junior or senior students with 2.50 or better grade point average

Amount: Variable

Number per year: Variable

MASSIE MEMORIAL SCHOLARSHIP

Donor: Massie Memorial Foundation established by Mrs. Robert Massie

Eligibility: Needy students of West Texas high schools in the San Angelo trade area

Amount: \$2,000

Number per year: Four

General Statement: Out of a desire to help the youth of West Texas, Mrs. Robert Massie made provisions in her will for the Massie Memorial Fund of \$250,000, a part of the proceeds from which should be used for scholarships to Angelo State University. Students from designated counties surrounding San Angelo who are accepted for admission and who show seriousness of purpose and financial need are eligible to apply for these awards.

ROY AND THELMA MATHISON SCHOLARSHIP FUND

Donor: Estate of Roy Mathison

Eligibility: Worthy and deserving students

Amount: Variable

Number per year: Variable

GEORGE D. MORGAN EDUCATIONAL FUND

Donor: Trustees of George D. Morgan Foundation

Eligibility: Deserving students

Amount: \$500 to \$600

Number per year: One or more

KIMBERLY (KIMMIE) MULLINS MEMORIAL SCHOLARSHIP

Donor: Family and friends of Kimberly Mullins

Eligibility: Deserving students who graduate from Christoval High School

Amount: Variable

Number per year: Variable

NATIONAL ASSOCIATION OF ROYALTY OWNERS (NARO)-TEXAS SCHOLARSHIP

Donor: NARO-Texas

Eligibility: Junior or senior students in any field

Amount: Variable

Number per year: Variable

PERMIAN BASIN AREA FOUNDATION MARIE HALL SCHOLARSHIP

Donor: Permian Basin Area Foundation

Eligibility: Needy students from the following counties: Andrews, Borden, Crane, Dawson, Ector, Gaines, Garza, Glasscock, Howard, Kent, Loving, Lynn, Martin, Midland, Mitchell, Scurry, Sterling, Ward, and Winkler

Amount: Variable

Number per year: Variable

JIM D. PULLIG MEMORIAL SCHOLARSHIP

Donor: Employees of Connie's Fashions, Inc., family and friends of Jim D. Pullig
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

LUKE ROBINSON AND MARY O'HARROW ROBINSON SCHOLARSHIP

Donor: Mrs. Luke Robinson
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

SAN ANGELO COMMUNITY MEDICAL CENTER AUXILIARY VOLUNTEER SCHOLARSHIP

Donor: San Angelo Community Medical Center Auxiliary
Eligibility: Junior volunteers who have completed at least one annual program; Senior volunteers who have completed at least one year of active membership with a minimum of 96 hours service.
Amount: \$800-\$1000
Number per year: Variable

GARY SANDERFORD SCIENCE MEMORIAL SCHOLARSHIP

Donor: Family and friends of Gary Sanderford
Eligibility: Central High School graduates majoring in the sciences
Amount: Variable
Number per year: Variable

THE GINIE SAYLES SCHOLARSHIP FOR SINGLE PARENTS

Donor: Ginie Sayles Enterprises, Inc.
Eligibility: Single parents of the greatest need who have one or more children in day care
Amount: Variable
Number per year: Variable

NARCISSE WILEY STOKES MEMORIAL SCHOLARSHIP

Donor: Friends of Narcisse Wiley Stokes
Eligibility: Worthy and deserving students
Amount: Variable
Number per year: Variable

CLARENCE TERRILL MEMORIAL SCHOLARSHIP

Donor: Friends of Clarence Terrill
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

TEXAS SOCIETY DAUGHTERS OF THE AMERICAN REVOLUTION

Donor: Texas Society Daughters of the American Revolution
Eligibility: Deserving students who show financial need with a 2.50 or greater grade point average
Amount: Variable
Number per year: Variable

TEXAS STATE TEACHERS ASSOCIATION/NATIONAL EDUCATION ASSOCIATION AWARD

Donor: Grape Creek Teachers Association
Eligibility: A deserving graduate of Grape Creek High School who will be attending ASU following graduation
Amount: \$100
Number per year: One

GRAYDON TRUSLER MEMORIAL SCHOLARSHIP

Donor: Family and friends of Graydon Trusler
Eligibility: Deserving students
Amount: Variable
Number per year: Variable

LLOYD DREXELL VINCENT MEMORIAL SCHOLARSHIP

Donor: Family and friends of Lloyd Drexell Vincent
Eligibility: Students of high academic ability
Amount: Variable
Number per year: Variable
General Statement: Dr. Lloyd Drexell Vincent served as President of Angelo State University from 1967 until his death on August 5, 1994. During his tenure the University's enrollment grew from 2,557 students to a high of 6,408 students. Dr. Vincent will be remembered for his intense devotion to the University and its students, his demand for excellence, and his personal attention to creating and maintaining a beautiful campus.

BOBBY REECE VINSON MEMORIAL SCHOLARSHIP

Donor: Mrs. Sybil Vinson and children
Eligibility: Full time student with a 2.50 GPA
Amount: Variable
Number per year: One

LYNN AND DICK WILLIAMS MEMORIAL SCHOLARSHIP

Donor: Martha Williams
 Eligibility: Deserving students
 Amount: Variable
 Number per year: Variable

MILDRED CARROLL WISEMAN LAMBDA CHAPTER OF DELTA KAPPA GAMMA SCHOLARSHIP

Donor: Mildred Carroll Wiseman Estate
 Eligibility: Member of Lambda Chapter (for graduate study)
 Amount: Variable
 Number per year: Variable

MILDRED CARROLL WISEMAN "ONE" SCHOLARSHIP

Donor: Mildred Carroll Wiseman Estate
 Eligibility: Deserving student
 Amount: Variable
 Number per year: Variable

MILDRED CARROLL WISEMAN SPANISH SCHOLARSHIP

Donor: Mildred Carroll Wiseman Estate
 Eligibility: Deserving student majoring in Spanish
 Amount: Variable
 Number per year: Variable

MILDRED CARROLL WISEMAN THETA ZI CHAPTER OF DELTA KAPPA GAMMA SCHOLARSHIP

Donor: Mildred Carroll Wiseman Estate
 Eligibility: Member of Theta Zi Chapter (for graduate study)
 Amount: Variable
 Number per year: Variable

Special University Scholarships

ANGELETTE SCHOLARSHIPS

Scholarships based primarily on ability and performance are available for outstanding members of the Angelettes, a precision drill team. Inquiries may be addressed to the Angelette Sponsor, Angelo State University.

BAND SCHOLARSHIPS

A number of scholarships are available for members of the Golden Ram Band. Interested students should contact the Band Director, Angelo State University.

CHOIR SCHOLARSHIPS

Students representing Angelo State University in the Choir Program are eligible for available scholarships. Interested students should contact the Choir Director, Angelo State University.

GENERAL PROPERTY DEPOSIT SCHOLARSHIPS

Scholarships of varying amounts are awarded to students with demonstrated financial need.

UNIVERSITY THEATRE SCHOLARSHIPS

Scholarships are available for students in the performing arts. Interested students should contact the Head of the Department of Communications, Drama, and Journalism.

VALEDICTORIAN

Donor: Angelo State University
 Eligibility: Valedictorian of the graduating class from any affiliated Texas high school. Students should submit Texas Education Agency valedictorian certificate to the Financial Aid office.
 Amount: Tuition

Departmental Scholarships

The ASU departments listed below should be contacted regarding the additional scholarships in this section.

ACCOUNTING, ECONOMICS, AND FINANCE DEPARTMENT**FINANCE AND REAL ESTATE ORGANIZATION SCHOLARSHIP**

Donor: Finance and Real Estate Organization
 Eligibility: Deserving full-time students who are members of the Finance and Real Estate Organization who have shown outstanding leadership. Candidates must have a cumulative 3.00 or higher grade point average.
 Amount: Variable
 Number per year: Variable

MOBIL OIL CORPORATION SCHOLARSHIP

Donor: Mobil Oil Corporation
Eligibility: Senior students majoring in accounting
Amount: \$250
Number per year: Two

SAN ANGELO CHAPTER OF THE TEXAS SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS SCHOLARSHIP

Donor: San Angelo Chapter of the Texas Society of Certified Public Accountants
Eligibility: Junior or senior accounting majors demonstrating a financial need
Amount: Variable
Number per year: Variable

STATE FARM INSURANCE COMPANIES SCHOLARSHIP

Donor: State Farm Insurance Companies
Eligibility: Minority and female students interested in careers in the insurance industry (actuarial, agency, management, operations, sales, underwriting, etc.)
Amount: Variable
Number per year: Variable

AEROSPACE STUDIES DEPARTMENT (ROTC)**CAPTAIN JACK WOOD MEMORIAL SCHOLARSHIP**

Donor: Estate of Leota Mayberry Wood
Eligibility: Needy and deserving students enrolled in the Reserve Officers Training Corps
Amount: Variable
Number per year: One

J. C. (CHUCK) WRIGHT AND LOIS WRIGHT SCHOLARSHIP

Donor: Lois Wright
Eligibility: Deserving students enrolled in Reserve Officers Training Corps
Amount: Variable
Number per year: One

AGRICULTURE DEPARTMENT**ROBERT STEPHEN ARCHER AGRICULTURE SCHOLARSHIP**

Donor: Family and friends of Robert Stephen Archer
Eligibility: Deserving junior, senior, or graduate students majoring in agriculture
Amount: Variable
Number per year: Variable

HAROLD W. "BROOKIE" BROOME MEMORIAL SCHOLARSHIP

Donor: Friends of Brookie Broome
Eligibility: Deserving students pursuing a B.S. in agriculture
Amount: Variable
Number per year: One or more

JOHN C. COLEMAN SCHOLARSHIP

Donor: Estate of John C. Coleman
Eligibility: Worthy and deserving students pursuing a B.S. in agriculture
Amount: \$300 to \$500
Number per year: Variable

MILDRED AND ALBERT DOUGLAS SCHOLARSHIP

Donor: Mrs. Mildred Douglas
Eligibility: Students interested in agriculture
Amount: Variable
Number per year: Variable

KATE ADELE HILL SCHOLARSHIP

Donor: Kate Adele Hill
Eligibility: Deserving students
Amount: Variable
Number per year: One or more

HOUSTON LIVESTOCK SHOW AND RODEO SCHOLARSHIP

Donor: Houston Livestock Show and Rodeo
Eligibility: Worthy and deserving full-time undergraduate students majoring in an agricultural field of study who demonstrate financial need
Amount: Maximum of \$1,000
Number per year: Variable

E. F. NOELKE MEMORIAL SCHOLARSHIP

Donor: William and Carol Richey

Eligibility: Worthy and deserving agriculture students. Preference will be given to candidates pursuing an education in range management or sheep raising

Amount: Variable

Number per year: Variable

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF DR. AND MRS. WARREN GRIFFIN

Donor: The Kailas J. and Becky L. Rao Foundation

Eligibility: Full-time undergraduate student in agriculture

Amount: Tuition and average fees

Number per year: One

ELIZABETH WARD MEMORIAL SCHOLARSHIP

Donor: Estate of Elizabeth Ward

Eligibility: Deserving home economics students

Amount: Variable

Number per year: One or more

(TEX) STAYTON GILLET WARD MEMORIAL SCHOLARSHIP

Donor: Estate of Beula Ward

Eligibility: Deserving students majoring in animal science

Amount: Variable

Number per year: Variable

ART AND MUSIC DEPARTMENT**ASU FAME**

Donor: Friends of Art and Music Activities

Eligibility: Art & music majors

Amount: Variable

Number per year: Variable

OWEN KYLE AYLOR MEMORIAL SCHOLARSHIP

Donor: Neal and Vivian Aylor, Kemper and Tricia Aylor, Don and Donna Aylor, Mike and Karen (Aylor) Wells

Eligibility: Music Education majors (vocal)

Amount: Variable

Number per year: Variable

DR. ELDON U. BLACK VOCAL SCHOLARSHIP

Donor: Dr. Eldon U. Black, his family and friends

Eligibility: Voice students

Amount: Variable

Number per year: Variable

CARR PERFORMING ARTS SCHOLARSHIP IN MUSIC

Donor: Robert G. and Nona K. Carr

Eligibility: Qualified undergraduate students with outstanding individual performance talent in music who are pursuing degrees in music. High school seniors must rank in the top 40% of their class, score a minimum 970 SAT1 (combined math and verbal) or a minimum composite 21 ACT, and have financial need. Currently enrolled or transfer college students must have a 3.40 or better grade point average (GPA) on all course work attempted in their major field and a 2.50 or better GPA on all other college course work attempted. Applicants must have earned at least 30 semester credit hours of college credit (at ASU or transferable to ASU) by the February 1 application deadline. The priority deadline for new applications and all supporting materials for each academic year is February 1. Applications will be accepted after this priority deadline until June 1, to the extent funds are available.

Amount: \$1500

Number per year: 5

CLAYTON A. DODD MEMORIAL SCHOLARSHIP

Donor: Ex-band members of Lake View High School and family and friends of Clayton Dodd

Eligibility: Lake View graduates of Chieftain Band participating in band at ASU

Amount: Variable

Number per year: Variable

DAVID FENNELL MEMORIAL SCHOLARSHIP

Donor: Family and friends of David Fennell

Eligibility: Any talented instrumental music major

Amount: Variable

Number per year: Variable

General Statement: Dr. David L. Fennell, Assistant Director of Bands and Assistant Professor of Music, passed away on August 20, 1995, after serving Angelo State University for 20 years.

FRIENDS OF VISUAL ARTS SCHOLARSHIP FOR ASU

Donor: Concho Contemporary Fine Arts Association

Eligibility: Junior or senior students with exceptional ability, taking courses in visual arts

Amount: Variable

Number per year: Variable

LEANNE DERE E LANSFORD MEMORIAL SCHOLARSHIP

Donor: Tau Beta Sigma, family and friends of Leanne D. Lansford

Eligibility: Worthy and deserving band members. Preference will be given to flute students.

Amount: Variable

Number per year: Variable

MINNIE H. MAYER MEMORIAL SCHOLARSHIP

Donor: Richard G. Mayer

Eligibility: Serious students who are majoring in music with piano as the instrument

Amount: Variable

Number per year: One or more

MUSIC ENDOWMENT FUND

Donor: Friends of ASU's Music Program

Eligibility: Deserving music students

Amount: Variable

Number per year: Variable

OLSON-BUTTERY SCHOLARSHIP

Donor: Dorothy and John Olson

Eligibility: Students specializing ceramics

Amount: Variable

Number per year: Variable

TRACY WOMACK MEMORIAL

Donor: Family and friends of Tracy Womack

Eligibility: Deserving students involved in the production/performance/administration of musical or theatrical events

Amount: Variable

Number per year: Variable

CHARLES VAN PELT MEMORIAL SCHOLARSHIP

Donor: Gamma Tau Chapter of Epsilon Sigma Alpha

Eligibility: Worthy and deserving music majors

Amount: \$200

Number per year: One

SEAN W. VICK ENDOWMENT FOR MUSIC

Donor: Family and friends of Sean W. Vick

Eligibility: Students interested in music

Amount: \$500

Number per year: One

CHARLES DAY WINDELL MEMORIAL SCHOLARSHIP

Donor: Dr. and Mrs. Louis V. Nannini

Eligibility: Students majoring in art

Amount: Variable

Number per year: One

ATHLETIC DEPARTMENTS (MEN AND WOMEN)**ASU ALUMNI ASSOCIATION SCHOLARSHIP**

Donor: ASU Alumni Association

Eligibility: Deserving Athlete

Amount: Variable

Number per year: One or more

JENNIFER COOKE-BEVERLY BORRON MEMORIAL SCHOLARSHIP

Donor: Friends of Jennifer Cooke and Beverly Borron

Eligibility: Members of varsity volleyball team

Amount: \$200

Number per year: Variable

FOELKER FAMILY ATHLETIC TRAINING SCHOLARSHIP

Donor: Jean and George Foelker and sons, George, Jr., and Viscount

Eligibility: Students serving as athletic trainers

Amount: Variable

Number per year: Variable

PHIL GEORGE ATHLETIC SCHOLARSHIP

Donor: Friends of Phil George

Eligibility: Varsity athletes

Amount: Variable

Number per year: Variable

RICHARD G. MAYER SCHOLARSHIP FOR FOOTBALL

Donor: Richard G. Mayer
Eligibility: Serious students who are members of football team; 2.00 or better grade point average
Amount: Variable
Number per year: One or more

NATHAN'S JEWELERS ATHLETIC SCHOLARSHIP

Donor: Mr. and Mrs. Nathan Donsky in memory of their parents, Mr. and Mrs. Jacob Donsky and Mr. and Mrs. Kalman Frankrich
Eligibility: Worthy and deserving student athletes
Amount: Variable
Number per year: Two or more

SAN ANGELO COMMUNITY MEDICAL CENTER ATHLETIC TRAINING SCHOLARSHIP

Donor: San Angelo Community Medical Center of San Angelo
Eligibility: Students pursuing athletic training as a career
Amount: Variable
Number per year: Variable

THE C. B. SELDEN SCHOLARSHIP

Donor: Family and friends of C. B. Selden
Eligibility: Athletes who have graduated from a Texas high school; grade point average of 2.50 or better
Amount: Variable
Number per year: Variable

GREG STOKES MEMORIAL SCHOLARSHIP

Donor: Family and friends of Greg Stokes
Eligibility: Ram football player making major contributions to the team, upperclassman with excellent academic record, involved in community activities
Amount: Variable
Number per year: One
General Statement: Greg Stokes, who was an Academic-All American football player, was killed in an auto accident on November 5, 1995. Greg was described as the heart and soul of the Ram football team. He excelled in all facets of life including the classroom, on the field, and was involved in many community activities. This scholarship was established to honor his memory and inspire other athletes to pursue excellence in all of their endeavors.

WEST TEXAS MEDICAL ASSOCIATES ATHLETIC TRAINING SCHOLARSHIP

Donor: Drs. Alexander, Burdine, Hughes, and Wilkinson
Eligibility: Deserving students involved with the Athletic Trainer's Program
Amount: Variable
Number per year: Variable

BIOLOGY DEPARTMENT**JAMES MICHAEL ARCHER BIOLOGICAL SCHOLARSHIP**

Donor: Family and friends of James Michael Archer
Eligibility: Deserving junior, senior, or graduate student majoring in biology
Amount: Variable
Number per year: Variable

DR. MERRILL W. EVERHART MEMORIAL SCHOLARSHIP

Donor: Estate of Mrs. Julia Tidwell Everhart
Eligibility: Junior students majoring in one of the natural sciences with a 3.00 or better grade point average
Amount: Variable
Number per year: One

HEAD-OF-THE-RIVER RANCH SCHOLARSHIP

Donor: Edie and Ford Boulware
Eligibility: Students majoring in the biological sciences
Amount: \$200 to \$1,000
Number per year: Two or more

OLSON-BUTTERY MEMORIAL SCHOLARSHIP

Donor: John C. Olson and Dorothy Buttery Olson
Eligibility: Deserving students majoring in pre-pharmacy, pre-medicine, or nursing
Amount: Variable
Number per year: Variable

SAN ANGELO COMMUNITY MEDICAL CENTER AUXILIARY SCHOLARSHIP

Donor: San Angelo Community Medical Center
Eligibility: Junior or senior who graduated from a Texas high school, having and maintaining a 3.0 grade point average and majoring in any medical or medically related field.
Amount: Variable
Number per year: Variable

BUSINESS ADMINISTRATION DEPARTMENT

AMOCO PRODUCTION COMPANY

Donor: Amoco Production Company

Eligibility: Junior or senior students majoring in business with a grade point average of 3.00 or greater

Amount: Variable

Number per year: Variable

COCA-COLA SCHOLARSHIP

Donor: Coca-Cola Bottling Company

Eligibility: Third or fourth year business majors whose families reside in the Concho Valley area

Amount: Variable

Number per year: Variable

ISLA MILLS ECKERT MEMORIAL SCHOLARSHIP

Donor: Patricia Baker Eckert, Lynn Eckert Hills, Catherine Eckert Bruff, Lee Eckert Woodworth

Eligibility: Female students in the field of business

Amount: \$500

Number per year: One or more

J. E. HENDERSON MEMORIAL SCHOLARSHIP

Donor: Estate of J. E. Henderson

Eligibility: Business administration majors

Amount: Variable

Number per year: One

WILL INKMAN SCHOLARSHIP

Donor: Marketing and Distributive Education students and teacher-coordinators of West Texas

Eligibility: Scholarship recipient will be a former high school distributive education, marketing and distributive education, or marketing education student. Preference will be given to students who graduated from high schools in West Central and West Texas.

Amount: \$200

Number per year: One

FRANK JUNELL SCHOLARSHIP IN BUSINESS

Donor: Unrestricted private gift funds

Eligibility: Worthy and deserving junior or senior business majors with outstanding records

Amount: \$2,500

Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF MR. AND MRS. HENRY COX

Donor: The Kailas J. and Becky L. Rao Foundation

Eligibility: Full-time graduate student in business administration

Amount: Tuition and average fees

Number per year: One

DR. GERALD L. RICHARDS MEMORIAL SCHOLARSHIP

Donor: Family and friends of Gerald L. Richards, students and faculty at Angelo State University

Eligibility: Graduate or undergraduate students pursuing a degree in a business-related field

Amount: Variable

Number per year: One

SAN ANGELO HUMAN RESOURCES ASSOCIATION SCHOLARSHIP

Donor: San Angelo Human Resources

Eligibility: Junior or senior business major with a 3.00 or better grade point average

Amount: \$500

Number per year: One

STATE FARM INSURANCE COMPANIES SCHOLARSHIP

Donor: State Farm Insurance Companies

Eligibility: Minority and female students interested in careers in the insurance industry (actuarial, agency, management, operations, sales, underwriting, etc.)

Amount: Variable

Number per year: Variable

MARY AND SHARON STRINGER MEMORIAL SCHOLARSHIP

Donor: Friends and family of Mary and Sharon Stringer

Eligibility: Deserving junior or senior business majors

Amount: Variable

Number per year: Variable

WELLS FARGO SCHOLARSHIP IN BUSINESS

Donor: Wells Fargo Bank

Eligibility: Junior-level business student who intends to complete his or her senior year at Angelo State University.

Amount: \$2,500

Number per year: One

CHEMISTRY DEPARTMENT

DR. MERRILL W. EVERHART MEMORIAL SCHOLARSHIP

Donor: Estate of Mrs. Julia Tidwell Everhart

Eligibility: Junior students majoring in one of the natural sciences with a 3.00 or better grade point average

Amount: Variable

Number per year: One

OLSON-BUTTERY MEMORIAL SCHOLARSHIP

Donor: John C. Olson and Dorothy Buttery Olson

Eligibility: Deserving students majoring in pre-pharmacy, pre-medicine, or nursing

Amount: Variable

Number per year: Variable

DELBERT TARTER SCHOLARSHIP

Donor: Friends and alumni of the ASU Chemistry Department

Eligibility: Deserving students majoring in chemistry

Amount: Variable

Number per year: Variable

COMMUNICATIONS, DRAMA, AND JOURNALISM DEPARTMENT

JOSEPHINE BELL FINE ARTS SCHOLARSHIP

Donor: Martha Group, First United Methodist Church

Eligibility: Fine arts majors

Amount: \$400

Number per year: One

CARR PERFORMING ARTS SCHOLARSHIP IN DRAMA

Donor: Robert G. and Nona K. Carr

Eligibility: Qualified undergraduate students with outstanding individual performance talent in drama who are pursuing degrees in drama. High school seniors must rank in the top 40% of their class, score a minimum 970 SAT1 (combined math and verbal) or a minimum composite 21 ACT, and have financial need. Currently enrolled or transfer college students must have a 3.40 or better grade point average (GPA) on all course work attempted in their major field and a 2.50 or better GPA on all other college course work attempted. Applicants must have earned at least 30 semester credit hours of college credit (at ASU or transferable to ASU) by the February 1 application deadline. The priority deadline for new applications and all supporting materials for each academic year is February 1. Applications will be accepted after this priority deadline until **June 1**, to the extent funds are available.

Amount: \$1500

Number per year: 5

DEAN CHENOWETH SCHOLARSHIP

Donor: San Angelo Downtown Lions Club, San Angelo Standard Times Newspaper, Houston and Carolyn Harte

Eligibility: Worthy and deserving students majoring in journalism. Preference will be given to graduates of Tom Green County high schools. Academic requirements must be met and financial need may be considered.

Amount: Variable

Number per year: Variable

ED B. COLE ENDOWMENT SCHOLARSHIP

Donor: Family and friends of Ed B. Cole

Eligibility: Incoming freshman from the Concho Valley majoring in communication or journalism

Amount: Variable

Number per year: One

MILLARD COPE SCHOLARSHIP TRUST

Donor: Mr. and Mrs. Houston Harte, Sr.

Eligibility: Outstanding junior and senior journalism majors planning careers in newspaper work

Amount: Variable

Number per year: Variable

ODENE CRAWFORD FINE ARTS SCHOLARSHIP

Donor: Family and friends of Odene Crawford

Eligibility: Deserving junior or senior fine arts majors

Amount: Tuition

Number per year: Variable

BERNE ENSLIN MEMORIAL SCHOLARSHIP

Donor: Family and friends of Berne Enslin

Eligibility: Deserving communication or drama majors

Amount: \$200

Number per year: One

WALTON A. FOSTER MEMORIAL SCHOLARSHIP

Donor: San Angelo Ad Fed

Eligibility: Junior or senior communication or journalism major with a 2.80 overall grade point average and 3.00 in major field

Amount: \$500 per semester

Number per year: Two

ARLEN LOHSE SCHOLARSHIP

Donor: Friends of Arlen Lohse

Eligibility: Deserving students majoring in journalism who have at least 30 hours at ASU. An English major may be selected if no journalism major is available.

Amount: Variable

Number per year: One or more

LONG MEMORIAL SCHOLARSHIP

Donor: Dr. Robert Byler

Eligibility: Journalism majors, preferably from Eldorado, Texas

Amount: \$400

Number per year: One or two

KARL AND MONA MALDEN DRAMA SCHOLARSHIP

Donor: Karl and Mona Malden

Eligibility: Drama Major

Amount: Variable

Number per year: Variable

THE MARTHAS OF FIRST UNITED METHODIST CHURCH

Donor: The Marthas

Eligibility: Worthy and deserving drama students

Amount: Variable

Number per year: Variable

THE MINNIE H. MAYER MEMORIAL/ALPHA PSI OMEGA SCHOLARSHIP

Donor: The Minnie H. Mayer Estate and the Angelo State University chapter of Alpha Psi Omega

Eligibility: Drama major showing financial need with a 2.50 or better grade point average and a member of Alpha Psi Omega in good standing

Amount: Variable

Number per year: Variable

JUANITA NORRIS MEMORIAL SCHOLARSHIP

Donor: Family and friends of Juanita Norris

Eligibility: Drama major

Amount: Variable

Number per year: One

AILEEN B. TRIMBLE MEMORIAL SCHOLARSHIP

Donor: Estate of Aileen B. Trimble

Eligibility: Students majoring in the field of communication, particularly journalism

Amount: Variable

Number per year: Variable

TRACY WOMACK MEMORIAL

Donor: Family and friends of Tracy Womack

Eligibility: Deserving students involved in the production/performance/administration of musical or theatrical events

Amount: Variable

Number per year: Variable

WAYLAND YATES MEMORIAL SCHOLARSHIP

Donor: Family and friends of Wayland Yates

Eligibility: Journalism majors

Amount: Variable

Number per year: Two

HARRISON YOUNGREN SCHOLARSHIP

Donor: Concho Valley Chapter of the Society of Professional Journalists

Eligibility: Junior or senior students who plan to complete undergraduate journalism degree at Angelo State University

Amount: Variable

Number per year: One

COMPUTER SCIENCE DEPARTMENT**OMAR E. HUNTER MEMORIAL SCHOLARSHIP**

Donor: Family and friends of Omar E. Hunter

Eligibility: Junior computer science majors

Amount: \$200 to be awarded in the fall

Number per year: One

EDWIN S. MAYER, SR., MEMORIAL SCHOLARSHIP

Donor: Richard G. Mayer
Eligibility: Serious students who are majoring in computer science
Amount: Variable
Number per year: One or more

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF MR. AND MRS. GARY POLLARD

Donor: The Kailas J. and Becky L. Rao Foundation
Eligibility: Full-time undergraduate student in computer science
Amount: Tuition and average fees
Number per year: One

EDUCATION DEPARTMENT**PAT BAKER MEMORIAL SCHOLARSHIP**

Donor: San Angelo Texas State Teachers Association Members
Eligibility: Junior or senior teacher education majors who graduated from a Tom Green County high school
Amount: Variable
Number per year: Variable

JOHN L. BISHOP MEMORIAL SCHOLARSHIP

Donor: Mrs. John L. Bishop
Eligibility: Deserving junior or senior teacher education majors
Amount: Variable
Number per year: Variable

DR. VERNA MAE CRUTCHFIELD SPECIAL EDUCATION SCHOLARSHIP AWARD

Donor: Dr. Verna Mae Crutchfield
Eligibility: Junior or senior special education majors
Amount: Variable
Number per year: One

ELIZABETH BOREN EATON MEMORIAL SCHOLARSHIP

Donor: Texas Delta Theta Chapter, Alpha Delta Kappa Education Honorary Sorority
Eligibility: Deserving students who have been accepted into the teacher education program
Amount: Variable
Number per year: One

HAUZE COX JACKSON MEMORIAL SCHOLARSHIP

Donor: San Angelo Area Council PTA
Eligibility: Deserving junior or senior education majors
Amount: \$300
Number per year: One

OLSON-BUTTERY MEMORIAL SCHOLARSHIP

Donor: John C. Olson and Dorothy Buttery Olson
Eligibility: Deserving students majoring in education
Amount: Variable
Number per year: One

AMY PETTIT SCHOLARSHIP

Donor: Amy Pettit
Eligibility: Students majoring in special education
Amount: Variable
Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN MEMORY OF KATHRYN EILERS

Donor: The Kailas J. and Becky L. Rao Foundation
Eligibility: Full-time undergraduate student in secondary teacher certification
Amount: Tuition and average fees
Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF RUTH HILLYER

Donor: The Kailas J. and Becky L. Rao Foundation
Eligibility: Full-time undergraduate student in elementary teacher certification
Amount: Tuition and average fees
Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF MR. AND MRS. ENOCH HUTCHINSON

Donor: The Kailas J. and Becky L. Rao Foundation
Eligibility: Full-time undergraduate student in elementary teacher certification
Amount: Tuition and average fees
Number per year: One

SAN ANGELO RETIRED TEACHERS ASSOCIATION SCHOLARSHIP

Donor: San Angelo Retired Teachers Association
Eligibility: Juniors or seniors who intend to teach
Amount: Variable
Number per year: Variable

GOVERNMENT DEPARTMENT**SAN ANGELO POLICE ASSOCIATION SCHOLARSHIP**

Donor: Members of the San Angelo Police Association
Eligibility: Government majors with criminal justice option
Amount: Variable
Number per year: Variable

BERNARD P. TAYLOR MEMORIAL SCHOLARSHIP

Donor: Estate of Maybelle B. Taylor
Eligibility: Government student, preferably a conservative
Amount: Variable
Number per year: One

HISTORY DEPARTMENT**SUSAN MILES HISTORY SCHOLARSHIP**

Donor: Tom Green Historical Association
Eligibility: Students majoring in history
Amount: \$1,000
Number per year: One or two

KINESIOLOGY DEPARTMENT**KAARAN HOLT COPES MEMORIAL SCHOLARSHIP**

Donor: Family and friends of Kaaran Holt Copes
Eligibility: Junior or senior kinesiology majors with a grade point average of at least 2.75
Amount: Variable
Number per year: Variable

MATHEMATICS DEPARTMENT**DWAYNE KISOR MEMORIAL SCHOLARSHIP**

Donor: Friends of Dwayne Kisor and colleagues from the San Angelo Independent School District
Eligibility: Mathematics majors. Graduates of Lee Junior High School preferred. Graduates of other SAISD schools may be considered if no applicant from Lee is available.
Amount: Variable
Number per year: One or more

MODERN LANGUAGES DEPARTMENT**INTERNATIONAL GOOD NEIGHBOR COUNCIL SCHOLARSHIP**

Donor: Members of the San Angelo Chapter of the IGNC
Eligibility: Members or descendants of members of a chapter or youth chapter of IGNC, modern languages student. Recipient may be selected by IGNC Chapter.
Amount: Variable
Number per year: Variable

MODERN LANGUAGES SCHOLARSHIP

Donor: Friends of Modern Languages Department
Eligibility: Undergraduate majors or minors in French, Spanish, or German
Amount: Variable
Number per year: Variable

NURSING DEPARTMENT**ASSOCIATION OF OPERATING ROOM NURSES**

Donor: Chapter 4430, Association of Operating Room Nurses
Eligibility: Deserving nursing major with interest in being a surgical nurse
Amount: Variable
Number per year: Variable

CLAUDE COLLINS, JR., MEMORIAL SCHOLARSHIP

Donor: Family and friends of Claude Collins
Eligibility: Deserving students pursuing a Bachelor of Science degree in Nursing
Amount: Variable
Number per year: Variable

CONCHO VALLEY MEDICAL ALLIANCE NURSING SCHOLARSHIP

Donor: Concho Valley County Medical Alliance

Eligibility: Nursing students with high academic standing and financial need

Amount: Variable

Number per year: Variable

RUTH A. DECUIR MEMORIAL SCHOLARSHIP

Donor: Family of Ruth A. Decuir in honor of Mr. and Mrs. K. S. Cox and son and Maude Williams

Eligibility: Nursing majors with financial need

Amount: \$150 to \$250

Number per year: One

ANNETTE DOMINGUEZ AND XANDER GUY BRIONES MEMORIAL SCHOLARSHIP

Donor: Family and friends

Eligibility: Nursing major

Amount: Variable

Number per year: Variable

VIRGINIA LEA CARSON HARRIS MEMORIAL SCHOLARSHIP

Donor: Family and friends of Virginia Lea Carson Harris

Eligibility: Deserving students pursuing B.S. in nursing

Amount: Variable

Number per year: One

LLOYD R. HERSHBERGER AND RALEIGH F. TROTTER SCHOLARSHIP FOR MEDICAL TECHNOLOGY

Donor: West Texas Medical Laboratory Association

Eligibility: ASU students enrolled at Shannon School for Medical Technology

Amount: Variable

Number per year: Variable

MARY J. MAYS SCHOLARSHIP

Donor: Student Nurses Association

Eligibility: Second year nursing student in AAS nursing program, 3.00 grade point average, member of ASU Student Nurses Association

Amount: \$250

Number per year: One

JOHN HENRY MCCAMMON III MEMORIAL SCHOLARSHIP

Donor: Frannie, Mike, Vicky, Dunya and their parents, Mr. and Mrs. J. H. McCammon

Eligibility: Sophomores majoring in nursing with a 3.00 grade point average

Amount: \$1,000 (One scholarship for \$1,000 or two for \$500)

Number per year: One or two

OLSON-BUTTERY MEMORIAL SCHOLARSHIP

Donor: John C. Olson and Dorothy Buttery Olson

Eligibility: Deserving students majoring in pre-pharmacy, pre-medicine, or nursing

Amount: Variable

Number per year: Variable

PARSONS SCHOLARSHIP

Donor: Concho Valley County Medical Society in honor of Dr. Dan Parsons

Eligibility: Worthy and deserving students majoring in nursing

Amount: Variable

Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF MR. AND MRS. PAUL COX

Donor: The Kailas J. and Becky L. Rao Foundation

Eligibility: Full-time undergraduate student in nursing

Amount: Tuition and average fees

Number per year: One

SAN ANGELO COMMUNITY MEDICAL CENTER AUXILIARY SCHOLARSHIP

Donor: San Angelo Community Medical Center Auxiliary

Eligibility: Junior or senior student who graduated from a Texas high school, having and maintaining a 3.0 grade point average and majoring in any medical or medically related field.

Amount: Variable

Number per year: Variable

OPAL STOCKARD MEMORIAL SCHOLARSHIP

Donor: Family of Opal Stockard

Eligibility: Junior or senior nursing major from Coleman County

Amount: \$500

Number per year: One

WALTER F. TUCKER MEMORIAL SCHOLARSHIP

Donor: Angelo Community Hospital

Eligibility: Nursing student

Amount: \$600

Number per year: One

IRENE BAKER WEDDELL NURSING SCHOLARSHIP

Donor: Pocahontas Chapter, National Society Daughters of the American Revolution

Eligibility: A student who has entered the nursing program at either the AAS or BSN level. This scholarship is not intended for the pre-nursing student. Financial need or grade average are not specified, but a sincere intention to complete the nursing program and enter the nursing profession as a Registered Nurse is required.

Amount: Variable

Number per year: Variable

CARLTON IVY WHITE MEMORIAL SCHOLARSHIP

Donor: Family and friends of Carlton Ivy White

Eligibility: Worthy and deserving student majoring in nursing

Amount: Variable

Number per year: Variable

H. O. "BOB" WOOD MEMORIAL SCHOLARSHIP

Donor: Ethicon, Inc.

Eligibility: Nursing majors

Amount: Tuition and fees

Number per year: Four

PHYSICS DEPARTMENT**WILTON J. BROWN MEMORIAL SCHOLARSHIP**

Donor: San Angelo Geological Society and friends of Wilton J. Brown

Eligibility: Students majoring in physics and/or geology

Amount: Variable

Number per year: Variable

LOUIS CELLUM MEMORIAL SCHOLARSHIP

Donor: Reece Albert, Inc.

Eligibility: Deserving students majoring in pre-engineering

Amount: Variable

Number per year: Variable (not to exceed \$1,000 per student)

H. RAY DAWSON ALUMNI TEXTBOOK SCHOLARSHIP IN PHYSICS

Donor: Physics Alumni of ASU

Eligibility: Junior or senior majoring in physics or applied physics

Amount: Variable

Number per year: Variable

DR. MERRILL W. EVERHART MEMORIAL SCHOLARSHIP

Donor: Estate of Mrs. Julia Tidwell Everhart

Eligibility: Junior students majoring in one of the natural sciences with a 3.00 or better grade point average

Amount: Variable

Number per year: One or two

OLSON-BUTTERY MEMORIAL SCHOLARSHIP

Donor: John C. Olson and Dorothy Buttery Olson

Eligibility: Deserving students majoring in geology

Amount: Variable

Number per year: One

KAILAS AND BECKY RAO SCHOLARSHIP IN HONOR OF DR. AND MRS. LLOYD VINCENT

Donor: The Kailas J. and Becky L. Rao Foundation

Eligibility: Full-time undergraduate student in physics

Amount: Tuition and average fees

Number per year: One

Scholarships Available Through Outside Organizations

In addition to the scholarships which are awarded by the Financial Aid Committee and departments of Angelo State University, the following scholarships are awarded by the University based on the recommendations of the outside organizations provided the recipients meet the admission and retention standards of the University.

ALPHA PHI OMEGA

EARL P. KEMP MEMORIAL SCHOLARSHIP

Donor: Family and friends of Earl P. Kemp

Eligibility: Active members of Alpha Phi Omega; 2.80 grade point average or better

Amount: Variable

Number per year: Variable

ASSOCIATION OF MEXICAN AMERICAN STUDENTS (AMAS)

ASSOCIATION OF MEXICAN AMERICAN STUDENTS (AMAS) SCHOLARSHIP

Donor: Association of Mexican-American Students

Eligibility: Deserving AMAS members

Amount: Variable

Number per year: Variable

BAPTIST STUDENT MINISTRIES

RANDY BELL MEMORIAL SCHOLARSHIP

Donor: Family and friends of Randy Bell

Eligibility: Worthy and deserving students

Amount: Variable

Number per year: Variable

BOY/GIRL SCOUTS

GORDON BUTTERY MEMORIAL SCHOLARSHIP

Donor: Dorothy Buttery Olson and John Charles Olson

Eligibility: Deserving students who were Boy or Girl Scouts

Amount: Variable

Number per year: One

TRUETT MCCLUNG MEMORIAL SCHOLARSHIP

Donor: Family and friends of Truett McClung

Eligibility: Deserving students who are or have been Boy Scouts

Amount: Variable

Number per year: Variable

CLARENCE WISEMAN MEMORIAL SCHOLARSHIP

Donor: Dr. Mildred Carroll Wiseman

Eligibility: Worthy students who were Boy Scouts

Amount: Variable

Number per year: One

CENTRAL HIGH SCHOOL

MAYME K. DANIEL ACADEMIC ACHIEVEMENT AWARD FOR ATHLETES

Donor: Mayme K. Daniel

Eligibility: Male and female athletes from Central High School with highest grade point average who are planning to attend Angelo State University

Amount: Variable

Number per year: Two

MARKETING AND MANAGEMENT ASSOCIATION

MARKETING AND MANAGEMENT ASSOCIATION SCHOLARSHIP

Donor: 1985-86 Graduating marketing-management class

Eligibility: Members of Marketing and Management Association; acceptable grade point average with consideration given to extracurricular activities and employment

Amount: Variable

Number per year: Variable

NEW WOMAN'S GUILD

CHERYL STORY NULL MEMORIAL SCHOLARSHIP

Donor: New Woman's Guild

Eligibility: Junior women business majors with 2.80 grade point average or better

Amount: \$500

Number per year: One

NEWMAN CENTER

BARBARA HOLT MEMORIAL SCHOLARSHIP

Donor: Family and friends of Barbara Holt

Eligibility: Worthy and deserving students associated with the Newman Center

Amount: Variable

Number per year: Variable

PHI DELTA KAPPA

PHI DELTA KAPPA SCHOLARSHIP

Donor: Concho Valley Chapter of Phi Delta Kappa

Eligibility: Prospective teachers who are of junior, senior or post-graduate level on a deficiency plan, admitted to the Teacher Education Program with a minimum grade point average of 3.00.

Amount: \$200

Number per year: One

RODEO/BLOCK AND BRIDLE

GORDON H. (SONNY) TURLEY RODEO MEMORIAL SCHOLARSHIP

Donor: Dr. Mildred C. Wiseman

Eligibility: Students active in Block and Bridle Club or actively participating in rodeo

Amount: Variable

Number per year: Variable

THETA OMICRON CHAPTER - DELTA KAPPA GAMMA

THETA OMICRON CHAPTER - DELTA KAPPA GAMMA

Donor: Theta Omicron Chapter

Eligibility: Education majors

Amount: Tuition

Number per year: One

THETA PI CHAPTER - DELTA KAPPA GAMMA

THETA PI CHAPTER - DELTA KAPPA GAMMA

Donor: Theta Pi Chapter

Eligibility: Education majors seeking teaching certificate

Amount: \$150

Number per year: One

WALL HIGH SCHOOL

LAURA BRADEN MEMORIAL SCHOLARSHIP

Donor: Family and friends of Laura Braden

Eligibility: Wall High School graduate who has actively participated in competitive athletics at Wall. Candidates must have maintained at least an 80 high school average.

Amount: \$200

Number per year: One

KENNETH HOLUBEC MEMORIAL SCHOLARSHIP

Donor: Family and friends of Kenneth Holubec

Eligibility: Wall High School graduates

Amount: \$400

Number per year: One

DEBBIE PELZEL LANGE MEMORIAL SCHOLARSHIP

Donor: Nick and Ty Lange, Calvin, Mary Ann, and Monica Pelzel and the Wall School District

Eligibility: Worthy and deserving graduating seniors of Wall High School who actively participated in competitive athletics at Wall. Candidates must have maintained at least an 80 grade average.

Amount: \$200

Number per year: One

DAVID LOVELL SCHOLARSHIP FUND

Donor: Wall Booster Club and friends of David Lovell

Eligibility: Wall High School graduate

Amount: \$250

Number per year: One

JIMMY D. RAY MEMORIAL SCHOLARSHIP

Donor: Wall Booster Club and friends of Jimmy D. Ray

Eligibility: Wall High School graduate who has actively participated in athletics and demonstrates leadership, consideration of others, and friendliness

Amount: \$200

Number per year: Variable

TEXAS TECH UNIVERSITY LAW SCHOOL SCHOLARSHIPS

The following scholarship opportunities are available for students upon graduation from Angelo State University who plan to attend law school at Texas Tech University. The recipients will be selected by the President of the University on the recommendation of a faculty screening committee.

FRANK JUNELL LAW SCHOOL SCHOLARSHIP

- Donor: Members of the Frank Junell family
- Eligibility: Angelo State University graduates with at least a 158 Law School Admission Test score and at least a 3.50 grade point average who will enroll at the Texas Tech University School of Law
- Amount: A \$500 annual stipend provided by the Frank Junell family plus full tuition, fees, and book allowance provided by the Texas Tech University School of Law (total annual value for each scholarship recipient is approximately \$4,000)
- Number per year: One new scholarship and two renewal scholarships awarded annually
- Renewal provisions: The initial scholarship may be renewed for two additional years at the discretion of the Dean of the Texas Tech University School of Law for recipients who remain in the top one third of their law class.

OTHER AID TO STUDENTS

The purpose of the Office of Student Financial Aid at Angelo State University is to assist students in obtaining financial aid necessary for them to attend college. Underlying this purpose is the philosophy that it is the primary responsibility of the parents and student to provide for the expenses of a college education. However, because of the variety of financial backgrounds from which students come, it is sometimes necessary to seek outside help in the form of loans, grants, scholarships, etc., to meet the financial need left by the inability of family resources to cover normal college expenses.

INSTRUCTIONS FOR APPLYING FOR FINANCIAL AID

1. Submit the following forms to the Financial Aid Office:
 - a. Student Aid Report (SAR) - The SAR will be mailed to you as a result of your electronic or paper submission of the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA to the federal processor. Allow 2-4 weeks processing time for electronic submission and 4-6 weeks for paper submission.
 - b. University Application for Financial Aid (UAPP)
 - c. General Scholarship Reference Form (ECREF) - The General Scholarship Reference Form is required if you are applying for one of the General Scholarships awarded through the Financial Aid Office. If you are interested only in a scholarship, the Reference Form and the UAPP will be the only two forms required.
 - d. Loan Application - A loan application must be submitted if you are applying for a student loan.
2. Additional documents may be required if your SAR is selected for verification or if you have previously attended another institution. You will be notified if additional documents are required.
3. Secure approval for admission or readmission to the University as a regular student and the evaluation of any transfer hours from the Admissions Office or the Graduate School.
4. The above steps must be completed by the priority deadlines to ensure eligibility determination for the corresponding registration period. Applications completed after these dates will be processed on a "first completed, first awarded" basis after the respective registration period ends.

Summer Terms	April 1
Fall and Spring	June 1

Students requesting financial aid must have their eligibility redetermined each year. Aid can be awarded to students who continue to demonstrate a financial need for assistance and who remain in good standing and are making satisfactory progress in accordance with the Angelo State University Satisfactory Academic Progress Policy.

Students are strongly encouraged to review the terms and conditions of financial aid and to direct questions to the Office of Student Financial Aid concerning eligibility criteria, terms, rights, privileges, cost of attendance, refund policy for aid recipients, method of financial aid payment, and information handbooks are available upon request.

STATEMENT OF SATISFACTORY PROGRESS

Student financial aid programs were created and funded to help students achieve access to higher education and accomplish academic goals. To make maximum use of the limited aid funds available, each aid recipient must maintain satisfactory academic progress in a course of study leading toward a degree. The student financial aid policy on satisfactory academic progress at Angelo State University is outlined below:

1. Student financial aid as defined in this policy specifically applies to federal (Title IV), state, and certain institutional programs. In order to be awarded or to receive any such aid, a student must be accepted to the University in good academic standing (i.e., no summer provisional admittance, etc.), be enrolled in courses leading toward a degree, and maintain satisfactory academic progress in the course of study pursued. This policy applies to all enrollment periods regardless of whether or not the student received aid. (Summer session may be an exception, see Item 3 below.)
2. Qualitative Standards: The following qualitative standards will be monitored each enrollment period. A student failing to meet these standards will not be eligible for aid until satisfactory academic progress is reinstated (see Item 5 below). (NOTE: Please refer to page 147 for information concerning the treatment of developmental coursework in relation to the student's grade point average.)
 - a. *Undergraduate students with 0-29 earned semester hours* must maintain a minimum 1.5 semester grade point average and a minimum 1.5 cumulative grade point average.
 - b. *Undergraduate students with 30-59 earned semester hours* must maintain a minimum 1.75 semester grade point average and a minimum 1.75 cumulative grade point average.
 - c. *Undergraduate students with 60-89 earned semester hours* must maintain a minimum 1.9 cumulative grade point average.
 - d. *Undergraduate students with 90 or more earned semester hours* must maintain a minimum 2.00 cumulative grade point average.
 - e. *Graduate students* must maintain a minimum 3.00 cumulative grade point average.
 - f. *Post-graduate or post-baccalaureate students* must maintain a minimum semester grade point average required by their program or degree and a minimum cumulative grade point average in compliance with the standards outlined in the current *Bulletin*.
3. Quantitative Standards: The following quantitative standards will be monitored on an annual basis (June to May). These standards are established for full-time students. Part-time students will be monitored on a pro-rata basis. Students who are deficient in completed hours will not be eligible for financial aid until these standards are met. Summer terms without financial aid will not be included when calculating semester equivalents. This will allow students who are deficient in completed hours to use the summer terms as a make-up period.

- a. *Undergraduate students* must satisfactorily complete an average of 8 semester hours each semester for the first 2 long* semesters and an average of 12 semester hours each long* semester thereafter. No further financial aid will be awarded to undergraduate students who have completed the equivalent of 12 long* semesters beginning from the date the student first enrolled in an eligible post-secondary institution.

Full-time semester

equivalents: 1 2 3 4 5 6 7 8 9 10 11 12+

Hrs. completed: 8 16 28 40 52 64 76 88 100 112 124 130+

- b. *Graduate students* must satisfactorily complete an average of 9 semester hours each long* semester. No further financial aid will be awarded to graduate students who have completed the equivalent of 5 long* semesters beginning from the date the student first enrolled in the graduate program.

Full-time semester

equivalents: 1 2 3 4 5

Hrs. completed: 9 18 27 36 45+

- c. *Post-graduate or post-baccalaureate students* must satisfactorily complete an average of 12 semester hours each long* semester. No further financial aid will be awarded to post-graduate or post-baccalaureate students who have completed the specified number of hours required on their degree or deficiency plan.

Full-time semester

equivalents: 1 2 3 4 5 6+

Hrs. completed: 12 24 36 48 60 72+ (defined by degree/deficiency plan)

Credit hours will be considered to be satisfactorily completed if one of the following grades is earned for those hours: *A, B, C* or *D*. Grades of *F, W, WP, WF* or *I* are not satisfactory. If a graduate student receives an *I* or *PR* for RESEARCH, THE-SIS or INTERNSHIP, or a Medical Technology student receives an *I* for Medical Technology courses, the hours will not be counted as attempted due to the length of time needed to complete these degree requirements.

4. **Incoming Transfer Students:** Incoming transfer students will be considered to be making satisfactory academic progress if they are accepted to the University according to the institution's admission requirements, if they transfer in with a minimum cumulative 2.00 grade point average, *and* if their hours transferred in do not exceed the allowed maximums stated in Item 3 above. Hours accepted for transfer credit by Angelo State University will be translated into equivalent semesters as follows: # of accepted transfer hours divided by 12 = full time semester equivalents.
5. **Reinstatement:** In order to reinstate satisfactory academic progress, a student must complete a minimum of 6 semester hours (non-developmental coursework) with a 2.00 grade point average within one semester (two summer terms are equivalent to one long semester), achieve a cumulative grade point average sufficient to meet the requirements in Item 2 above, *and* meet the completed hours requirement in Item 3 above.

* Two summer terms are equivalent to one long semester

6. Appeal: Students who fail to maintain satisfactory academic progress due to extenuating circumstances (i.e., medical reasons, death in the family, etc.) have the right to an appeal. The application for appeal is available in the Financial Aid Office. Students should provide a detailed explanation with appropriate documentation of the extenuating circumstance. The application for appeal will be submitted to the Financial Aid Appeals Committee for review. If approved, aid can be continued if the student is otherwise eligible. If denied, the student must reinstate according to Item 5 above.
7. General University Scholarship Recipients: General University Scholarship recipients (selected and approved by the Financial Aid Committee) must maintain a minimum 2.50 semester grade point average and a minimum 2.50 cumulative grade point average, *and* comply with requirements in Item 3 above. General University Departmental Scholarship recipients (recommended by the Department and approved by the Financial Aid Committee) must maintain a minimum 2.00 cumulative grade point average.

Students experiencing academic difficulties are encouraged to seek help from offices on campus which can effectively deal with academic problems. These offices include: Academic Deans and Department Heads (established majors), Dean of the College of Sciences (non-majors), Vice President for Academic Affairs, Associate Deans of Student Life, Center for Counseling and Career Services, Office of Educational Opportunity Services, and individual instructors.

Short-Term Loans

Emergency loans in varying amounts are available to deserving students who have maintained a satisfactory academic record. A moderate service charge is assessed, and the loan must be repaid prior to the end of the semester during which it is borrowed. These funds have been made available through the following sources:

The Emergency Tuition and Fees Loan Program was authorized by HB 1147, 69th Legislature, for the purpose of providing emergency loans to deserving students who are experiencing temporary financial difficulties and who are unable to obtain funds from financial sources outside the University. Borrowers will have a maximum repayment period of 90 days from the date of execution on the promissory note. The interest rate on money loaned is computed at an annual rate not to exceed five percent.

The Roland Francis Myers Memorial Loan Fund was established in the will of Roland Francis Myers, a former student of San Angelo College. It was the intent of Mr. Myers that these funds be available to help deserving students.

The Robert L. Cole Memorial Kiwanis Loan Fund was established by the Downtown San Angelo Kiwanis Club to assist students in need of short-term loans to meet immediate financial emergencies.

The Minnie H. Mayer Memorial Student Loan Fund was established in the will of Minnie H. Mayer. Undergraduate and graduate students majoring in either art, drama, music, or communication are eligible to apply for this program.

The Mr. and Mrs. D. L. Milner, Sr., Memorial Loan Fund was established by Miss Susie Milner in memory of her parents, in order to assist deserving students experiencing temporary financial difficulties.

Long-Term Loans

FEDERAL PERKINS LOAN PROGRAM: This program provides long-term loans at an interest rate of 5 percent to students needing financial assistance to enter or remain in school. Primary qualification is financial need as determined by the Free Application for Federal Student Aid. Undergraduate students may borrow a maximum of \$15,000, and the maximum amount for graduate students is \$30,000 (including undergraduate loans).

FEDERAL STAFFORD LOAN PROGRAM: The Federal Stafford Loan Program is offered through participating lending institutions for the purpose of making low-interest loans to students for postsecondary expenses. In order to qualify a student must show financial need as determined by the Free Application for Federal Student Aid. The maximum annual loan limits are \$2,625 for freshman classification, \$3,500 for sophomore classification, \$5,500 for junior/senior classification, and \$8,500 for graduate students. The amount a student may borrow is the annual loan limit or documented financial need, whichever is less. The student should contact the Financial Aid Office for applicable interest rates.

FEDERAL UNSUBSIDIZED STAFFORD LOAN: This program was created by the Federal government to assure that all students regardless of income would be able to obtain a student loan. The terms and conditions of this program are basically the same as the Federal Stafford Loan except that interest will accrue and may be paid or capitalized as agreed upon by the borrower and lender. A student must apply for the Federal Stafford Loan first before his/her eligibility can be established for the Federal Unsubsidized Stafford Loan. A student may borrow from both programs, but the total amount cannot exceed the annual loan limits outlined under the Federal Stafford Loan.

FEDERAL PARENT LOAN FOR UNDERGRADUATE STUDENTS: The Federal Parent Loan for Undergraduate Students (Federal PLUS) is offered through participating lending institutions for the purpose of making available a type of guaranteed loan that provides a source of additional funds for parents of a dependent undergraduate student. No demonstration of financial need is required for the Federal PLUS, regardless of the borrower's income. The amount a parent may borrow is determined by subtracting estimated financial aid from the institution's cost of attendance. Please contact the Financial Aid Office for specific amounts that may be borrowed and applicable interest rates.

FEDERAL UNSUBSIDIZED STAFFORD LOAN ADDITIONAL FOR INDEPENDENT STUDENTS: The Federal Unsubsidized Stafford Loan Additional is offered through participating lending institutions for the purpose of making available a type of guaranteed loan that provides a source of additional funds for independent undergraduate or graduate/professional students. No demonstration of financial need is required for the Federal Unsubsidized Stafford Loan Additional, but a determination of the student's eligibility for a Federal Pell Grant and/or Federal Stafford Loan must be made before certification of the application can be made. Please contact the Financial Aid Office for applicable loan limits and interest rates.

COLLEGE ACCESS LOAN: The College Access Loan (CAL) program is a non-need based loan made through the Texas Higher Education Coordinating Board. This loan is made to the student and does require a co-signer. The student must be a half-time student and eligible to pay Texas resident tuition. The amount a student may borrow is determined by criteria issued by the Coordinating Board. The CAL does provide for deferment of principal if the student is enrolled at least half-time and repayment begins 6 months after the student ceases to be enrolled at least half-time. Please contact the Financial Aid Office for applicable interest rate which begins accruing immediately.

Grants

FEDERAL PELL GRANTS: This program is a federal student aid program designed to assist students in pursuing their first undergraduate degree. The purpose of these grants is to provide eligible students with a foundation of aid to help pay the cost of attending school.

LEVERAGING EDUCATIONAL ASSISTANCE PARTNERSHIP (LEAP) GRANT: The Leveraging Educational Assistance Partnership (LEAP) Grant is generated from federal and state funds. It is available to both undergraduate and graduate students who demonstrate financial need and enroll at least half-time. Awards under this program are generally smaller than those made from FPELL due to the total funding available and are usually limited to eligible applicants who meet the established priority deadline.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (FSEOG): Angelo State University, by authority of the Higher Education Act of 1965 as amended, is able to provide assistance to students with demonstrated financial need.

TEXAS PUBLIC EDUCATIONAL GRANTS PROGRAM (TPEG): This program was created by the State Legislature in 1975 in order to provide grants to needy students attending state-supported educational institutions.

TOWARD EXCELLENCE, ACCESS, AND SUCCESS (TEXAS) GRANT: The Toward Excellence, Access, and Success (TEXAS) Grant is a state funded, need-based program available to assist students who have recently graduated from high school and completed the advanced or recommended high school curriculum. Eligible applicants must be residents of Texas and meet specific academic requirements.

VOCATIONAL REHABILITATION: The Texas Rehabilitation Commission offers assistance for tuition and non-refundable fees to students who have certain disabling conditions provided their vocational objectives have been approved by the TRC Counselor. Examples of such conditions are orthopedic deformities, emotional disorders, diabetes, epilepsy, heart conditions, etc. Other services are also available to assist the handicapped student to become employable. Application for such service should be made at Texas Rehabilitation Commission.

Employment

FEDERAL WORK-STUDY PROGRAM: Federal Work-Study Program funds may be awarded to a student who has documented financial need and wishes to earn a portion of his or her financial aid eligibility. A student employed under this program will generally work 15 to 20 hours per week. The rate of pay is determined by the current Fiscal Regulations of the University, but will not be less than minimum wage.

STATE WORK-STUDY PROGRAM: State Work-Study Program funds may be awarded to a student who has documented financial need and wishes to earn a portion of his/her financial aid eligibility. A student employed under this program will generally work 15 to 20 hours per week. The rate of pay is determined by current Fiscal Regulations of the University, but will not be less than minimum wage. Student must be a Texas Resident.

CENTER FOR CAREER DEVELOPMENT

Career Exploration

Many students are undecided about a career direction or even a specific academic major. In addition, some who are satisfied with their academic plans may be uncertain how their academic interests relate specifically to employment opportunities after graduation. The Center provides several services to address the needs of these individuals, including: career counseling, the administration and interpretation of various career inventories, occupation information, assistance researching career fields, and academic planning for employment.

Job Search

The Center assists students and alumni by providing current information regarding careers and employers, critiquing resumes and other application material, offering creative and practical job search strategies, coaching on interviewing techniques, and preparing credentials for use by employers. Students are urged to complete profile materials at least nine months prior to graduation. Once completed, they will have access to full-time degree required job postings.

Throughout the year representatives from business, government, and education visit the campus to conduct interviews with prospective employees. Career days and job fairs sponsored by the Center provide opportunities for students to seek employment and learn about the job market.

The Family Educational Rights and Privacy Act of 1974 provides that an individual may have access to his/her profile when proper request is made in the Center for Career Development.

Part-Time Employment

A part-time job listing service is maintained in the Center, and a variety of jobs, both on campus and off campus, are available to Angelo State University students. The vacancies can also be accessed through the Center's Internet Web site:

<https://www.angelo.edu/services/career/>

STUDENT LIFE PROGRAMS AND SERVICES

Angelo State University strives to develop graduates who, through understanding and critical analysis, will be prepared to assume their responsibilities as citizens. Much of the development of responsible citizenship takes place outside the classroom through student programs, activities, and organizations. Academic work and student life are inter-related. The student life departments work closely with the academic faculty to build an environment which will contribute to maximum student development. Student development programs and services are coordinated by the Dean of Student Life, the Associate and Assistant Deans of Student Life, Director of Residence Life, Counselor, and Clinic, Cheerleader and Angelette Directors. These programs and services include orientation (Preview, Fish Splash), housing, counseling, student activities, student government, student organizations, Greek Affairs, Disability Services, discipline, Angelettes, Cheerleaders, ID Services, campus involvement, leadership, and all health services.

Student Life Office

The Student Life Office is concerned with the general welfare of all students. They work closely with students and faculty in the development of student life policies and programs. They offer direction in lifeskills and student development programs and services. Referrals for students with personal problems are also provided. Withdrawals from the University are initiated in the Registrar's Office.

Orientation Programs

All freshman and transfer students attending the University for the first time participate in the orientation programs for new students. These programs help the new students adjust to college life. During the orientation period, students meet with their academic advisors, prepare their class schedules, and register for their first semester classes. Orientation activities also serve in a personal and informal way to introduce the new students to the campus and acquaint them with the various programs and services which are available.

The largest of the orientation programs, PREVIEW ASU, is conducted each summer, providing an opportunity for all entering freshmen and transfer students to spend time on the Angelo State University campus, participate in orientation activities, and register for the fall semester. Information on PREVIEW ASU is available through the Student Life Office, P.O. Box 11045, ASU Station, San Angelo, Texas 76909, (915) 942-2191.

Fish Splash

Fish Splash, the fall orientation program, is conducted the weekend prior to the beginning of fall classes. It is a time for new ASU students to come together and get to know each other and the campus. Many fun activities are planned each year. Students also have the opportunity to participate in "educational success" programs which will help new arrivals be successful students at Angelo State University. Information on Fish Splash is available in the Student Life Office.

Campus Visit Program

High school juniors and seniors can also experience the excitement of the campus firsthand by attending special College Days at Angelo State. In addition to touring the campus facilities and residence halls, students meet with members of the senior faculty to discuss the fields of academic study available at ASU. Representatives from the Admis-

sions and Retentions Office and Financial Aid Office will answer any questions, and representatives of student clubs and organizations will introduce students to the extracurricular opportunities at Angelo State.

To make a reservation and to receive additional information on "College Days," please write or call the Office of Admissions at Angelo State University, P.O. Box 11014, ASU Station, San Angelo, Texas 76909, (915) 942-2058.

Prospective students may also make arrangements for an individual visit to the campus on other dates throughout the year by contacting the Office of Admissions.

Residence Halls

Housing in the University residence halls provides a physical environment which is particularly conducive to successful academic and student life. In addition to the excellent living and dining facilities provided at the residence halls, residence hall staffs offer a wide range of programs and activities to supplement the classroom experience.

Students Health Services

The University Health Clinic is available to all students who are currently enrolled in the University in academic course work for which semester credit hours are awarded. The Clinic provides outpatient care Monday through Friday during the two long semesters when school is in session. Hours vary during summer school sessions. Clinic services include staff physicians, nurse practitioners, nursing care, pharmacy, and health education. The Clinic provides many diagnostic services and treatments appropriate on an episodic outpatient basis. It is not intended to substitute for the health maintenance care provided by the primary care provider. However, it can provide invaluable service for the student who can't see his/her private physician because of time restraints or distance. Any problem which can't be treated in the Clinic may be referred off-campus for further evaluation/treatment as deemed necessary by the Clinic staff.

There is no charge for examination, diagnosis, or consultation services provided by the Clinic staff. However, there may be charges for injections or other medicines not stocked in the pharmacy. Students referred by Clinic staff for health care services to an off-campus health care provider will be responsible for all related costs; however, the University will reimburse the student up to \$70 per illness (if there is a remaining balance after filing on personal insurance) on referrals if the student is referred by appropriate University staff. For details on reimbursements, please see the Office of the Dean of Student Life.

All medications stocked in the Health Clinic and prescribed by a University physician will be provided to students at no cost. Prescriptions requiring medications which are not stocked in the Health Clinic must be paid for by students themselves.

Students requiring medical services while the Clinic is closed should notify Campus Police or Residence Hall Director for medical care referral information.

All students attending the University and enrolled in six or more semester credit hours are eligible to purchase a plan of accident and sickness insurance which supplements the University Health Clinic Services in major surgical, medical, and accident benefits during both the school term and vacation periods. Students who do not carry other comprehensive health insurance are strongly urged to enroll in a health care insurance plan, as the Clinic cannot provide hospitalization or comprehensive health care coverage. Insurance information is available in the Student Life Office.

Counseling

The University Counselor is located in the Health Clinic. A member of the Student Life professional staff, the Counselor provides limited individual and group counseling and crisis intervention on social, cultural, behavioral, developmental and other matters for students experiencing mental or behavioral problems. In consultation with mental health and medical personnel, the counselor assists students to overcome personal or other problems and assists students and others to develop and maintain high levels of personal and academic performance. In addition to providing outreach programs and services on educational, wellness, and life skills issues, the Counselor refers students to outside mental health or medical professionals as indicated by a preliminary assessment and scope of student problems.

Veterans Affairs

The Veterans' Affairs Office is located in the Registrar's Office in the Dorsey B. Harde-man Administration-Communication Journalism Building, Room 101. Any student who wishes to apply for benefits, receive counseling, or get information may call the Veterans' Affairs Office or come in during regular office hours.

Students with Disabilities

Angelo State University is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the University, or be subjected to discrimination by the University, as required by the Americans with Disabilities Act of 1990.

However, Angelo State University does not waive the published degree requirements for students. To the extent practical, the faculty and administration will make a reasonable accommodation to assist qualified individuals with disabilities meet their degree requirements, consistent with the applicable provisions of Texas statutes and the Regents RULES AND REGULATIONS.

All students at Angelo State University must have the capacity and ambition to undertake, with reasonable assistance from the faculty and administration, the academic challenges necessary to fulfill the academic requirements for the degree or certification programs which they are pursuing.

All programs, services, and activities on the campus of Angelo State University are accessible to disabled students.

Disabled students who desire to live on campus will find housing and dining facilities available and accessible. Information about student services such as academic counseling, financial assistance, and student life programs can be obtained by contacting the Office of the Associate Deans of Student Life at (915) 942-2191 (located in the University Center, Room 112).

Houston Harte University Center

The facilities, services, and programs of the Houston Harte University Center provide for a wide variety of out-of-class student activities on an individual or organized basis. In addition to recreational and dining facilities, the Center contains several lounges, offices for the University Center Program Council, offices for student government, the University Center Director, Student Life, and Career Development Services, offices, a campus bookstore, post office, meeting rooms, a spacious conference center, a bank, student organizations headquarters, and the West Texas Collection.

Student Body

All students regularly enrolled at Angelo State University are members of the Student Body. Each student in the Student Body is represented by the Student Senate and its elected officers. A faculty sponsor and the Dean of Student Life provide assistance and maintain liaison between students and faculty.

STUDENT RECORDS

Notification of Rights under Federal Family Educational Rights and Privacy Act (FERPA) for Postsecondary Institutions

The Family Educational Rights and Privacy Act of 1974 (20 U.S.C.A. Section 1232g) protects certain rights of students who are enrolled in a post-secondary institution relative to their educational records. The Act grants students:

1. The right to inspect and review their education records within 45 days of the day Angelo State University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask Angelo State University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If Angelo State University decides not to amend the record as requested by the student, Angelo State University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Angelo State University to comply with the requirements of FERPA.

Prior to disclosure of any personally identifiable information other than directory information, except as allowed by the regulations, the University must obtain the written consent of the student and then must maintain a record of the disclosure. The categories included as directory information at Angelo State University which routinely will be made public upon request or published in appropriate University publications are:

The student's name, local and permanent mailing address, email address, telephone listing, date and place of birth, photograph, marital status, major and minor fields of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, team photographs, dates of attendance, classification, degrees, awards, and honors received, the most recent previous educational agency or institution attended, hometown, and parents' names and mailing addresses.

Students who desire that all or any part of their directory information not be released must submit a written request to the Registrar's Office during the first twelve class days of the fall or spring semester or the first four class days of the summer terms. Forms for submitting the written request to withhold directory information are available in the Registrar's Office.

Access to Student Records

The Family Educational Rights and Privacy Act of 1974 provides that students be apprised of the location of their educational records and the administrator responsible for their maintenance. Student records are filed in a variety of offices as listed in the Student Handbook. The administrative officers are responsible for the records under their control and for the appropriate release of information contained in these records. Angelo State University forwards educational records to other educational institutions in which a student seeks or intends to enroll only upon request by the student.

STUDENT ORGANIZATIONS

Angelo State University has many registered student organizations which may be of interest to you. Participating in student organizations will enhance your educational experience, allow you to develop valuable interpersonal skills, and establish lifelong friendships.

BOARDS AND COUNCILS

Angelo State University Student Senate
Interfraternity Council
Greek Council
Panhellenic Association
Residence Hall Association
University Center Program Council

ACADEMIC/PROFESSIONAL AND HONOR/RECOGNITION ORGANIZATIONS

Accounting Society
AFROTC Detachment 847th Cadet Corps
Alpha Chi National Honor Society
Alpha Lambda Delta Honor Society (Freshmen)

Alpha Mu Gamma (Modern Languages)
Alpha Psi Omega (Drama)
American Chemical Society
Association for Computing Machinery (Student Chapter)
Beta Beta Beta (Biology)
Broadcasting Society
Delta Sigma Pi (Business)
Finance and Real Estate Organization
Financial Management Association
National Honor Society
International Business Club
Kappa Delta Pi (Education)
Kappa Kappa Psi (Band)
MBA Association
Omicron Delta Kappa (Academic, Leadership)

Phi Alpha Theta (History)
 Phi Epsilon Omega (Kinesiology)
 Phi Gamma (Education)
 Phi Mu Alpha Sinfonia (Music)
 Pi Gamma Mu (Social Sciences)
 Pi Kappa Delta (Education)
 Pi Mu Epsilon (Mathematics)
 Psi Chi National Honor Society in
 Psychology
 Psychology Club of Graduate Students
 Sigma Alpha Iota (Music)
 Sigma Tau Delta (English)
 Society of Physics Students
 Student Nursing Association
 Tau Beta Sigma (Band)

GREEK SOCIAL ORGANIZATIONS

Sororities
 Delta Zeta
 Sigma Kappa
 Fraternities
 Lambda Chi Alpha
 Pi Kappa Alpha
 Sigma Phi Epsilon

SPECIAL INTEREST ORGANIZATIONS

Alpha Phi Omega
 Arnold Air Society
 Association of Mexican-American
 Students
 Baha'i Association
 Black Organization Striving for Success
 Block and Bridle Club
 Carr Hall Association
 Clay Club
 College Libertarians
 College Republicans
 Council for Exceptional Children

Ducks Unlimited
 Fellowship of Christian Athletes
 French Club
 International Student Association
 Kappa Pi
 King's Head Rugby Football Club
 Martial Arts Organization
 Massie Men Association
 Massie Women Association
 Mathematical Association of America
 Mayer Hall Association
 Men's High Rise Association
 Ram-Air Club
 Ram Hockey
 Ram Soccer Club
 Robert G. Carr Angel Flight/
 Silver Wings
 Runnels Hall Association
 Russian Club
 Sports Medicine Club
 Upsilon Sigma Omega
 Vanderventer Residents Association
 Women's High Rise Association
 Young Democrats

RELIGIOUS ORGANIZATIONS

Baptist Student Ministries
 Christian Campus Center
 Christian Student Fellowship
 Latter Day Saints Student Association
 Newman Apostolate
 United Campus Ministries

PERFORMING ORGANIZATIONS

Angelettes
 Choral Singers Association
 ASU Cheerleaders
 ASU Ram Band
 Generation of Faith

Athletics

The athletics program for men and women is an important aspect of student life. Intercollegiate teams for men represent the University in football, basketball, track, and cross country. Intercollegiate teams for women represent the University in volleyball, basketball, soccer, softball, track, and cross country.

Angelo State is affiliated with the National Collegiate Athletic Association (NCAA) and participates on the Division II level in all men's and women's sports. The NCAA is the major governing organization for intercollegiate athletics in the United States and provides championship competition for more than 900 colleges and universities in three divisions.

Both the men's and women's athletic teams also compete in the Lone Star Conference, an athletic alliance of seventeen state-supported and private institutions in Texas, Oklahoma, Arkansas, and New Mexico. Angelo State plays its home football games in the 17,500-seat San Angelo Stadium, located adjacent to the campus to the south. The Physical Education Building offers complete facilities for basketball, volleyball, and special events with seating for 4,200.

The Multipurpose Sports Complex features a Tartan all-weather track which meets Olympic standards, dressing and training room facilities for both men's and women's teams, softball fields, and six tennis courts.

Intramurals and Recreational Activities

The intramural program offers to all students the opportunity to participate in a wide range of sports and activities. All of the facilities of the Physical Education Building, including a 25-meter swimming pool and four racquetball courts, are available to students for recreational and intramural activities.

The University maintains a large, attractive lakehouse and recreational facilities at nearby Lake Nasworthy. These facilities provide students with excellent opportunities for social events and for recreational activities such as swimming, boating, and water skiing.

Tennis, golf, racquetball, volleyball, flag football, basketball, softball, bowling, swimming, and physical conditioning are all available to ASU students through the University's varied programs.

TESTING

Angelo State University also serves as a testing center for the following standardized testing programs.

The following tests are coordinated through the Office of Admissions and Retention, Dorsey B. Hardeman Building.

1. American College Test (ACT), the Scholastic Aptitude Test (SAT), or the Scholastic Assessment Test I (SAT I) is required for admission of freshman students. The University administers the ACT five times annually on the national testing dates, and residual tests are administered by the University in January, May, June, and August.
2. The Texas Academic Skills Program (TASP) Test is required by Texas law for students enrolled in public colleges and universities. Established by the State Legislature to ensure that students possess the academic skills needed to perform effectively in college-level coursework, the TASP Test is designed to provide diagnostic information about the reading, mathematics, and writing skills of each student. Students should contact the Office of Admissions and Retention for additional information regarding test dates.

The following tests are coordinated through the Division of Continuing Studies, Continuing Studies Building.

3. Graduate Record Examination (GRE) subject exams are given three times annually. All graduate programs require the GRE except for the Master of Business Administration degree program. Applicants for the Master of Business Administration degree program, except computer science majors, are required to take the Graduate Management Admission Test (GMAT). The nearest testing center for the GRE and the GMAT is in Abilene, Texas.

The GRE has replaced the Veterinary Aptitude Test for pre-veterinary students.

4. College Level Examination Program (CLEP) examinations are administered on a monthly basis. Angelo State University is an open CLEP Test Center.

STUDENT LIFE REGULATIONS AND POLICIES

General Statement Concerning Student Life

Attendance at a tax-supported educational institution of higher learning is optional and voluntary. By such voluntary entrance into the academic community of Angelo State University, students voluntarily assume the obligations of performance and behavior imposed by the University relevant to its lawful missions, processes, and functions. These obligations are generally much higher than those imposed on all citizens by the civil and criminal law.

When students enter Angelo State University, it is assumed they have serious purpose and a sincere interest in their own social and intellectual development. They are expected to learn to cope with problems with intelligence, reasonableness, and consideration for the rights of others; to obey laws and ordinances of the nation, the State of Texas, and community of which they, as well as their University, are a part; and to conduct themselves peaceably in espousing changes they may consider necessary. As they prize rights and freedoms for themselves, they are expected to respect the rights and freedoms of others.

Students are subject to federal, state, and local laws as well as University regulations and policies. A student is not entitled to greater immunities or privileges before a law than those enjoyed by other citizens generally. Students are subject to such reasonable disciplinary action as the administration of the University may consider appropriate, including suspension, dismissal, and expulsion in appropriate cases, for breach of federal, state, or local laws, or University regulations or policies. This principle extends to conduct off campus which is likely to have adverse effect on the University or on the educational process.

University Policies, Rules, and Regulations

University policies, rules, and regulations relating to Angelo State University students are made with the view of protecting the best interests of the individual, the general welfare of the entire student body, and the educational objectives of the University. Specific University policies, rules, and regulations governing student conduct adopted by the Board of Regents and the Administration of Angelo State University are provided in the Student Handbook. It is the responsibility of each student to become informed regarding these policies, rules, and regulations and to abide by them at all times.

DIVISION OF CONTINUING STUDIES

Director: Deborah K. Palmer

The Division of Continuing Studies is an outreach component of Angelo State University. It is designed to share the University's resources and expertise with individuals in the Concho Valley via the four units discussed below. In addition, the Division of Continuing Studies is responsible for testing services that pertain to CLEP and correspondence tests, GRE Subject Exams, the LSAT, and TCLEOSE examinations.

Goodfellow Air Force Base Unit

This unit serves as a liaison between Angelo State University and active-duty military personnel stationed at Goodfellow Air Force Base. Some services include:

- acquainting active-duty military, dependents of active-duty military, and civil service personnel employed at Goodfellow with academic and continuing education programs available at Angelo State University.
- promoting activities sponsored by the University.
- working with active-duty military, dependents of active-duty military, and civil service personnel employed at Goodfellow to ensure their admission to the University and familiarity with University registration and tuition/fee payment processes.
- developing a schedule of on-base classes.
- acquainting ASU faculty who teach at Goodfellow Air Force Base with on-base procedures.

Professional and Continuing Education

The Division of Continuing Studies offers a wide range of programs in a compressed format. Classes, workshops, and seminars vary in length depending on course content. Programs allow participants to upgrade their present skills, learn new skills, enhance their quality of living, or explore new interest areas in an abbreviated time frame without the pressure of a grade. Three times a year, the Division develops and publishes a list of classes in the areas of art, business, communications, computers, financial management, health care, human resource management, office management, sports/recreation, and test reviews. This unit also coordinates conferences for various groups. In addition, Kids' Kollege provides youth ages five through fourteen with a variety of exciting and enriching classes.

Workforce Development

In order to ensure that a trained workforce exists in the Concho Valley, the Division of Continuing Studies provides non-credit classes and certificate programs. This unit works with and surveys local businesses and industries to craft programs tailored to their present and future employment needs. Participants throughout the Concho Valley may wish to pursue a non-credit course or certificate program to upgrade their existing skills or to prepare for a new career field.

Customized Training

Businesses, industries, governmental agencies, professional groups, and non-profit organizations have a variety of training needs. Educational programs are custom designed to meet the training needs of employees/members. A staff member of the Division of Continuing Studies and the course instructor meet with representatives of the business or agency to determine specific learning objectives. Then a curriculum is developed to help participants obtain their learning goals. After a curriculum is mutually agreed upon, the class location, date(s), and time are established. Businesses and other agencies seem to enjoy having training opportunities during which internal issues may be discussed confidentially and which are tailor made to fit the learning needs of the participants.



ACADEMIC REGULATIONS

Notice: The regulations contained in this bulletin are based upon present conditions and are subject to change without notice.

General Information

The College Year. The college year consists of a long session and a summer session. The long session is divided into the fall semester and the spring semester, each approximately sixteen weeks long, including registration, holidays, and final examinations. The summer session is divided into two terms.

Semester Credit Hour. The semester credit hour (sch) is the basic unit of credit. As a rule, one semester credit hour of academic credit is given for each lecture class hour per week for a fifteen week semester. In laboratory or studio situations, one semester credit hour normally is given for two to five contact hours per week for a fifteen week semester. During eight-week terms and summer sessions, the student earns semester credit hours for class contact hours which are essentially equivalent in number to those provided in the long semesters. Where semester hour is used in this *Bulletin*, it is synonymous with semester credit hour (sch).

Classification of an Undergraduate Student

A student is classified according to the number of semester hours successfully completed:

00-29	Freshman
30-59	Sophomore
60-89	Junior
90 or more	Senior

On the basis of semester credit hour load, a student is classified as part-time or full-time during the academic year. A full-time student is one who is enrolled for at least twelve semester credit hours during a semester. A part-time student is one who is enrolled for fewer than twelve semester credit hours during a semester. A full-time student during a summer term is one who is enrolled for six or more semester credit hours. The part-time student is subject to the same academic regulations as the full-time student.

Student Participation in Testing and/or Evaluation

The State of Texas mandates various testing programs for students attending public universities; and the Commission on Colleges of the Southern Association of Colleges and Schools, the collegiate accrediting body for post-secondary degree-granting institutions in Texas, requires that accredited institutions establish adequate procedures for evaluating the effectiveness of their instructional programs and the achievement of their educational goals. In carrying out these responsibilities, Angelo State University may require such testing of its students or conduct such other programs of evaluation as may be required by law or deemed necessary or appropriate at the sole discretion of the faculty and administration. Such tests or programs of evaluation may be initiated, implemented, or administered at any time without prior notice to or the approval of any student who is enrolled or who is planning to enroll in Angelo State University.

The Texas Academic Skills Program (TASP)

Purpose. The Texas Academic Skills Program was established by the State Legislature in an effort to ensure that students attending Texas public institutions of higher education possess the minimal academic competencies necessary for success in a college or university environment.

Testing Requirements. Beginning in the 1998 Fall Semester and for all subsequent semesters or summer terms, each undergraduate student, unless otherwise exempt, who enters a public institution of higher education must be tested for *reading*, *writing*, and *mathematics* skills prior to enrolling in any college-level coursework. To satisfy this requirement, the student must take either the TASP Test or a state approved alternative test. Students should contact the University's Office of Admissions and Retention for information regarding alternative tests. High school students should take the TASP Test as soon as they become eligible, preferably before they graduate.

A student who transfers from a private or out-of-state institution must meet TASP requirements (be tested or exempted) prior to enrolling in any college-level work. A transfer student with 60 or more semester credit hours or the equivalent should refer to the section dealing with the "60-hour limit."

Angelo State University will administer the Quick TASP Test to students who have been admitted to the University and who have neglected to take either the regular TASP Test or an approved alternative test. Students who need to take the Quick TASP Test in order to become eligible to enroll in college-level courses must make arrangements for testing through the Office of Admissions and Retention.

A student who has not been tested for reading, writing, and mathematics skills prior to enrolling at Angelo State University may enroll in course work only under exceptional circumstances including, but not necessarily limited to: (i) documented illness, injury, or other bona fide emergency that prevents the student from testing; (ii) diagnosed and documented disability for which reasonable and appropriate accommodations could not be provided by the University in a timely manner; (iii) provisions established for deaf students who arrive on campus without having taken the Stanford Achievement Test; and (iv) provisions established for students who, through no fault of their own, have not been tested after all reasonable institutional testing opportunities have passed.

TASP Exemptions. Exemption from TASP requirements will be granted to any student who

- (1) has earned at least 3 semester credit hours of college-level coursework prior to the fall of 1989; or
- (2) has been certified as legally *blind* or *deaf* and has earned at least 3 semester credit hours of college-level coursework prior to September 1995; or
- (3) has graduated with a baccalaureate degree from an accredited college or university; or
- (4) has achieved the minimum scores on the ACT, SAT, or TAAS tests specified below:
 - ACT - composite score of at least 23 with a minimum score of 19 on the mathematics section and the English section;
 - SAT I- April 1995 and thereafter, a recentered composite score of at least 1070 with a minimum score of 500 on the mathematics section and the verbal section;

- SAT - prior to April 1995, an original composite scale score of at least 970 with a minimum score of 470 on the mathematics section and 420 on the English section;
- TAAS - a minimum scale score of 1770 on the TAAS writing test with a Texas Learning Index score of 89 on the reading test and 86 on the mathematics test.

For TASP purposes, a student's ACT and SAT scores are active for a maximum of five years, and TAAS scores are active for a maximum of three years.

Other individuals who may be exempt from TASP requirements include certain non-degree seeking students who are 55 years of age or older, non-degree seeking foreign students, and transient or temporary students who are attending a private, independent, or out-of-state institution of higher education. A student's exempt status will be determined by the Office of Admissions and Retention.

Passing Standards. The minimum passing standards for the three skill areas on the TASP Test have been set by the Coordinating Board as follows: reading—230, mathematics—230, and writing—220. The Board has also set passing standards for the approved alternative tests.

Developmental Education. A student who scores less than the minimum passing standard in any skill area must enroll in a prescribed developmental program for that area during the initial period of enrollment and remain continuously in such developmental education until the program has been successfully completed. Once successful completion has been achieved in a particular skill area, the student must then retake the TASP test in that skill area. The student may satisfy TASP requirements in two ways:

- (1) pass the section of the TASP Test associated with that skill area, or
- (2) take an approved course in that skill area, earn a grade of *B* or better, and retake the TASP Test. Passing the TASP Test is not a requirement in this case. However, prior successful completion of the prescribed developmental program *is* a requirement.

A student will be given only one opportunity to use option (2) in a given skill area. If the student fails to earn a grade of *B* or better, then he or she must use option (1) to satisfy TASP requirements.

Refer to the English and Mathematics departmental sections of this *Bulletin* for a more detailed description of developmental programs for the various skill areas.

B or Better Courses. The following courses, identified by Common Course Numbers, have been approved by the Coordinating Board for application of the *B or better* option in the designated skill area.

	<u>Common Course Numbers</u>	<u>ASU Equivalent Courses</u>
<u>Writing</u>	ENGL 1301 Composition I	ENG 1301
	ENGL 1302 Composition II	ENG 1302
<u>Reading</u>	HIST 1301 U.S. History	HIST 1301
	HIST 1302 U.S. History	HIST 1302
	ENGL 2321 British Literature	(no equivalent)
	ENGL 2322 British Literature	ENG 2331
	ENGL 2323 British Literature	ENG 2332
	ENGL 2331 World Literature	ENG 2341
	ENGL 2332 World Literature	ENG 2342
	ENGL 2333 World Literature	(no equivalent)
	ENGL 2326 American Literature	(no equivalent)
	ENGL 2327 American Literature	(no equivalent)
	ENGL 2328 American Literature	(no equivalent)
	PSYCH 2301 General Psychology	PSY 2301
	GOVT 2301 American Government	GOVT 2301

	GOVT 2302 American Government	GOVT 2302
	GOVT 2305 American Government	GOVT 2302
	GOVT 2306 American Government	GOVT 2301
<u>Mathematics</u>	MATH 1314 College Algebra	MATH 1302
	MATH 1316 Plane Trigonometry	MATH 1303
	MATH 1332 College Mathematics	MATH 1332
	MATH 1333 College Mathematics	(no equivalent)

The 60-Hour Limit. The Coordinating Board has ruled that no student may graduate from an associate degree program or baccalaureate degree program, or enroll in any upper-level course the completion of which would give the student 60 or more college-level semester credit hours or the equivalent without having: (i) passed all sections of the TASP Test (or an alternative test on the initial attempt only) unless the student is exempted; or (ii) earned a grade of *B* or better in an approved course and retaken the TASP Test—provided the student qualifies for this particular option (See the Developmental Education section above). The 60-hour limit applies to transfer students as well as to continuing students.

Learning Disabilities. TASP policy includes a special provision for students who have been diagnosed as having dyslexia or a related disorder, or a specific learning disability in mathematics. Students should contact the Office of Admissions and Retention for information detailing the procedures that must be followed in order to qualify under this provision.

PERFORMANCE ON THE TASP TEST OR ANY BOARD APPROVED ALTERNATIVE TEST SHALL NOT BE USED AS A CONDITION FOR ADMISSION TO THE UNIVERSITY.

All testing fees shall be paid by the student.

University Requirements for Proficiency in English and Mathematics

The requirements for admission to Angelo State University and the University's requirements for proficiency in English (writing and reading) and mathematics are established separate and apart from the Texas Academic Skills Program (TASP) requirements mandated by the State. These University proficiency requirements in English and mathematics are described in the section on English (p. 250) and Mathematics (p. 316) of this *Bulletin*. Students must meet these University requirements in addition to all State requirements.

Name Change

Appropriate documentation which substantiates a legal name change for a student must be submitted to the Office of Admissions and Retention prior to the student's next registration. Registration under a name different from that used in the student's last enrollment cannot be accomplished without the above certification, which becomes a part of the student's permanent file. All grade reports and transcripts are issued under the student's legal name as recorded in the Office of Admissions and Retention.

Numbering of Courses

The four-digit numbering system is based upon the following criteria: The level of the course is identified by the first number as follows: freshman, 1; sophomore, 2; junior, 3; senior, 4; and graduate, 6, with the exception of graduate Physical Therapy which uses

5, 6, and 7. The semester credit hour value is identified by the second digit. The University and/or departmental codes are identified by the last two digits.

For an Angelo State University academic course which is equivalent to an academic course offered at a Texas state two-year college, the common course number assigned to the two-year colleges will be listed also. The Angelo State course number will be listed first followed by a slash, then the common course number. For example: History 1301 would be listed as 1301/1301.

In the portion of this *Bulletin* dealing with curriculum and courses, descriptive titles of courses may be followed by two numbers in parentheses. The first number gives the number of lecture hours each week; the second gives the number of laboratory hours each week. For example, (3-2) indicates three hours of lecture and two hours of laboratory each week. Where three numbers appear, the last number refers to clinical supervision as in Nursing 3402 (2-2-3).

Courses which have an alpha character (i.e., English and Mathematics 130A and 130B) are developmental (pre-collegiate) courses and may not be used to satisfy degree requirements at Angelo State University.

Maximum Course Loads

One Long Semester. A normal full course load for undergraduate students in a long semester is fifteen to eighteen semester credit hours.* An undergraduate student with good academic standing (2.00 or better) may enroll for a maximum of eighteen semester credit hours. Students with a grade point average of 3.00 or better may be approved for a maximum of twenty semester credit hours by the head of their academic major department or by the appropriate college dean. Approval for course loads larger than the stated maximums may be given by the appropriate college dean only in exceptional situations and when the student has a grade point average of 3.50 or higher.

Summer Session. A student may enroll for six to seven semester credit hours for each summer term. The total load for the entire summer session shall not exceed fourteen semester credit hours, except that fifteen semester credit hours may be allowed for the graduating senior. Approval for course loads larger than the stated maximums for the summer session may be given by the appropriate college dean in exceptional circumstances only when the student has a grade point average of 3.50 or higher.

The maximum course load described above for the summer session also applies to students enrolled in Graduate School. The stated maximum course loads for students enrolled at Angelo State apply to all courses in which the student is enrolled concurrently, whether in residence or elsewhere.

Penalty for Excessive Course Load. Any student who registers for more semester credit hours than is allowed by this policy during any semester or summer term shall be required to drop the excess course load at such time as the student course loads are audited by the University.

* See page 385 for description of course loads for graduate students.

Excess Undergraduate Credit Hours Rule Texas Education Code, Section 61.0595 and 54.068 (45-Hour Rule)

Purpose

This subchapter provides financial incentives for institutions to facilitate the progress of undergraduate students through their academic programs and incentives for students to complete their degree programs expeditiously.

Authority

Section 54.068 specifies the tuition that may be charged to students with excess hours. Section 61.0595 specifies the fundability of undergraduate credit hours.

Affected Students

(a) The limitation on funding of excess undergraduate credit hours applies only to hours generated by students who initially enroll as undergraduates in an institution of higher education in the 1999 fall semester or in a subsequent term. If a student has been enrolled as an undergraduate student in any public or private institution of higher education during any term prior to the 1999 fall semester, the student's credit hours are exempt.

(b) Hours generated by non-resident students paying tuition at the rate provided for Texas residents are subject to the same limitations as hours generated by resident students.

Limitation on Formula Funding

Funding of excess undergraduate credit hours is limited as follows:

- (1) Universities and health-related institutions may not submit for formula funding hours attempted by an undergraduate student who has previously attempted 45 or more semester credit hours or its quarter-hour equivalent beyond the minimum number of hours required for completion of the degree program in which the student is enrolled.
- (2) An undergraduate student at a four-year institution who is not enrolled in a degree program is considered to be enrolled in a degree program requiring a minimum of 120 semester credit hours.
- (3) Students who enroll on a temporary basis in a university or health-related institution and are also enrolled in a private or independent institution of higher education or an out-of-state institution of higher education are considered to be enrolled in a degree program requiring a minimum of 120 semester credit hours.
- (4) For the purposes of the undergraduate limit, an undergraduate student who has entered into a master's or professional degree program without first completing an undergraduate degree is considered to no longer be an undergraduate student after having completed the equivalent of a bachelor's degree or all of the course work normally taken during the first four years of undergraduate course work in the student's degree program.
- (5) For the purposes of the undergraduate limit, students are treated for funding purposes as having whatever major they had on the official census day of the term in question. If a student changes majors during a term, that act does not retroactively change their eligibility under the limit.
- (6) The following types of credit hours are exempt and do not count toward the limit:
 - (A) hours earned by the student before receiving a baccalaureate degree that has been previously awarded to the student;

- (B) hours earned through examination or similar method without registering for a course;
- (C) hours from remedial and developmental courses, technical courses, workforce education courses, or other courses that would not generate academic credit that could be applied to a degree at the institution;
- (D) hours earned by the student at a private institution or an out-of-state institution; and
- (E) any hours not eligible for formula funding.

Tuition Charged to Affected Students

An institution of higher education may charge a higher tuition rate, not to exceed the rate charged to nonresident undergraduate students, to an undergraduate student whose hours can no longer be submitted for formula funding because of the funding limit defined in section 13.114 of this title (relating to Limitation on Formula Funding)

For further information, contact the Registrar's Office.

Credit by Examination

Students may earn credit by examination at Angelo State University in a variety of fields. Selected College Level Examination Program (CLEP) General Examinations and Subject Examinations as well as local examinations are administered regularly in the University Credit by Examination Program. Students who submit ACT or SAT scores to the University for admission purposes are eligible for credit in selected courses if 1) their test scores are high enough to qualify for credit, 2) they enroll at Angelo State University, 3) they satisfactorily complete a fall or spring semester and pass the applicable section of the Texas Academic Skills Program (TASP) test.

Credit by examination may also be earned through the Defense Activity for Non-Traditional Education Support (DANTES) Subject Standardized Tests (DSST exams). Score reports submitted for DSST exams that have not been approved will be sent to the Dean of the College of Business and Professional Studies for evaluation by the appropriate departments.

All examinations in the Credit by Examination Program are available for monthly administration with the exception of the American College Test, Scholastic Assessment Test I, and some local examinations which have separate established schedules. CLEP examinations are given on the third Monday of each month, except in December, unless a holiday falls on that Monday.

Advanced registration is required for CLEP examinations. Candidates must register through the Division of Continuing Studies at least four weeks prior to the administration date.

Fees are charged for all examinations to cover costs of administration, test materials, scoring, and program development. For each local examination a fee of \$20 is charged. For each CLEP Subject Examination or CLEP General Examination which is scored by the Educational Testing Service, the fee is \$46, payable to CLEP, plus a \$12 registration fee payable to Angelo State University.

An individual who does not plan to register at Angelo State University and wishes to have scores forwarded to another institution must take a CLEP examination which is scored by the Educational Testing Service. ETS forwards the score to the designated institution. Since each college or university determines how it will use the CLEP examinations to award credit, individuals are urged to investigate the policies of the institution to which they plan to submit their scores. Information concerning the tests the institution

recognizes, the required scores, essay requirements, and other conditions affecting the awarding of credit should be obtained from the institution prior to registering for any CLEP examination.

The credit by examination program at Angelo State University is subject to the following policy guidelines:

A student may take examinations for credit and have scores submitted to the Registrar's Office prior to enrollment at Angelo State University. However, credit by examination will not be entered on the permanent record until the student has successfully completed a semester or summer term of academic work at Angelo State University. Information about scores required for credit on specific examinations may be obtained from the Division of Continuing Studies or the Registrar's Office.

To receive credit by examination, a student must pass the appropriate examination with a score that qualifies for credit. If a student receives credit by examination for a course and that credit is entered on the student's permanent record, the student cannot at a later date decide that the credit is no longer desired and have the course removed from the student's transcript. However, a student may repeat a course for which credit by examination was earned by enrolling in a regularly scheduled class and earning a grade for the course which would replace the credit earned by examination.

Prior to registering for a CLEP examination or local examination, Angelo State University students must obtain the approval of the dean of the college in which they are majoring. Normally, students are permitted to receive credit by examination for courses except when they have completed advanced level work in a particular field and are seeking additional lower-division credit in the same field.

A student is not allowed to earn credit by examination for any course in which the student has a grade of *A, B, C, D, WF, F, I, P, CR, NC, or AU*. Credit by examination may not be earned for a course which is prerequisite to another course in the same discipline for which the student has already earned credit. When such lower-division courses are required in a student's degree plan, the student is encouraged to seek a modification in the degree plan, substituting an advanced-level course for the lower-division course.

Credit earned by examination may not be used to reduce the residence requirements in any degree program.

None of the examinations in the University's Credit by Examination Program may be taken more than one time in a six-month period.

Enhanced American College Test (ACT) and Scholastic Assessment Test I (SAT I). Students scoring 29-31 on the English section of the ACT will receive credit for English 1301; 32 or above will receive credit for English 1301 and English 1302. Students scoring 26-31 on the Mathematics section will receive three semester credit hours in Mathematics (non-advanced credit with no ASU equivalent); 32 or above will receive credit for Mathematics (non-advanced credit with no ASU equivalent) and three semester credit hours in Mathematics 1302. Students scoring 29 or above on the Science Reasoning section will receive four semester credit hours in Physical Science (non-advanced credit with no ASU equivalent).

Students scoring 630-670 on the SAT I will receive credit for English 1301; 680 or above on the SAT I will receive credit for English 1301 and 1302. Those scoring 570-620 on the SAT I will receive three semester credit hours in Mathematics (non-advanced credit with no ASU equivalent); 630 or above on the SAT I will receive three semester credit hours in Mathematics (non-advanced credit with no ASU equivalent) and three semester credit hours in Mathematics 1302.

Students who earn non-advanced, non-equivalent credit in mathematics and/or physical science on the basis of ACT or SATI scores will use this credit as elective credit in meeting degree requirements and not for fulfilling major, supporting concentration, or first or second teaching field requirements. Any student enrolled at Angelo State University who has attempted 12 or more semester credit hours at the time of testing, or any student transferring to ASU who has attempted 12 or more semester credit hours is ineligible for this credit. Exceptions may be made for freshmen who have attempted 12 to 14 semester credit hours during summer school attendance prior to initial fall enrollment.

Winners of the National Council of Teachers of English Achievement Awards in Writing are granted three semester credit hours for English 1301, subject to their passing the TASP test in reading and writing. Winners of this award should contact the Office of Admissions and Retention to have the credit posted.

Credit by examination may be earned for the following courses. Credit by examination also may be earned for other University courses with the permission of the Vice President for Academic Affairs.

<u>Angelo State University Course and Number</u>	<u>Examination</u>	<u>Semester Credit Hours</u>
Accounting 2301, 2302	CLEP Principles of Accounting	6
Biology ne/na*	DSST SE511, Environment & Humanity, no lab	3
Biology 1410, 1411	CLEP General Biology	8
Business Admin. 1301	DSST SE543, Introduction to Business	3
Business Admin. 2345	CLEP Introductory Business Law	3
Chemistry 1411, 1412	CLEP General Chemistry	8
Criminal Justice ne/na*	DSST SG497, Intro. to Law Enforcement	3
Criminal Justice 2302	DSST SF498, Intro. to Criminal Justice	3
Economics 2301	CLEP Principles of Macroeconomics	3
Economics 2302	CLEP Principles of Microeconomics	3
English 1301	ACT English section or SAT verbal section or CLEP Freshman College Composition (score of 44-53) with passing essay	3
English 1301, 1302	ACT English section or SAT verbal section or CLEP Freshman College Composition (score of 54 or above) with passing essay	6
English 2331, 2332	CLEP English Literature	6
English 3331, 3332	CLEP American Literature	6
French 1301, 1302, 2311, 2312	CLEP College Level French Language or Local Examinations	6-12 3-12

* Non-equivalent, non-advanced biology, criminal justice, geography, history, kinesiology, or management credit earned by passing one of these examinations will be used as elective credit in meeting degree requirements and not for fulfilling major, supporting concentration, or first or second teaching field requirements.

Geography ne/na*	DSST SE470, Geography	3
	DSST SF470, Human Cultural Geography	3
Geology 1401	DSST SF519, Physical Geology, no lab	3
German 1301	DSST SE579, Beginning German	3
German 1301, 1302, 2311, 2312	CLEP College Level German Language	6-12
	or Local Examinations	3-12
Government 2302**	CLEP American Government	3
History ne/na*	DSST SE469, Intro. to the Modern	
	Middle East	3
	DSST SE473, A History of the Vietnam War	3
History 1301***	CLEP History of the United States I	3
History 1302***	CLEP History of the United States II	3
History 2331	CLEP Western Civilization I	3
History 2332	CLEP Western Civilization II	3
History 3305	DSST SE483, The Civil War and	
	Reconstruction	3
Kinesiology ne/na*	DSST SF508, Here's To Your Health	3
Management ne/na*	DSST SF531, Organizational Behavior	3
	DSST SE532, Principles of Supervision	3
Management 3301	CLEP Principles of Management	3
Management 3303/na	DSST SE530, Personnel/Human	
	Resources Mgt.	3
Management Infor Systems 3343	DSST SE551, Management Information	
	Systems	3
Management 4302/na	DSST SF474, Ethics in America	3
Marketing 3321	CLEP Principles of Marketing	3
Mathematics ne/na*	ACT Mathematics Usage section or	
	SAT Quantitative section	3
Mathematics 1302	CLEP College Algebra or ACT	
	Mathematics Usage section or	
	SAT Quantitative section	3
Mathematics 1303	CLEP Trigonometry	3
Mathematics 1321	Local Examinations	3
Music 1361	Local Examinations	3
Music 1451, 1452	Local Examinations	4-8
Physical Science ne/na*	ACT Natural Sciences section or	
	CLEP General Exam (Natural	
	Sciences)	4
Physical Science 1301	DSST SE512, Intro. to Physical Science	3

* Non-equivalent, non-advanced biology, criminal justice, geography, history, kinesiology, management, mathematics, or physical science credit earned by passing one of these examinations will be used as elective credit in meeting degree requirements and not for fulfilling major, supporting concentration, or first or second teaching field requirements.

** The student who successfully completes the examination in government must also successfully complete one of the following courses in order to graduate: Government 2301, 3303, 4301, 4302.

*** The student who earns six semester credit hours in History of the United States I and II by examination must, in order to graduate, successfully complete an additional three-semester credit hour advanced course in American or Texas History.

Physics 1301	DSST SF500, Fundamentals of Astronomy	3
Psychology 2301	CLEP Introductory Psychology	3
Psychology 2304	DSST SF490, Lifespan Development Psychology	3
Psychology 3313/na	DSST SF562, Fundamentals of Counseling	3
Psychology 4319	DSST SE495, Drug and Alcohol Abuse	3
Sociology 2301	CLEP Introductory Sociology	3
Spanish 1301	DSST SF583, Beginning Spanish I	3
Spanish 1302	DSST SF584, Beginning Spanish II	3
Spanish 1301, 1302, 2311, 2312	CLEP College Level Spanish Language or Local Examinations	6-12 3-12
University Studies 2381	CLEP General Exam (Humanities)	3
University Studies 2381	CLEP General Exam (Social Sciences and History)	3

CLEP General Examinations. CLEP General Examination scores may be submitted for consideration for credit by individuals who have fewer than 30 semester credit hours, and in the examination areas in which they have not earned semester credit hours. For example, a first-year student who has earned no semester credit hours in the fine arts (art, drama, music) may take the CLEP General Examination in the humanities and submit the examination scores for credit.

First-year students at Angelo State University who desire to take a CLEP General Examination for credit should determine with the dean of the college in which they are majoring that they are eligible for the credit sought prior to registering for the examination. Eligibility will be determined according to the courses for which the student has earned credit during the first year.

1. Credit for physical science (non-advanced credit with no ASU course equivalent) will be allowed if the student has not earned semester credit hours for any chemistry, geology, physical science, or physics course.
2. Credit for University Studies 2381 (humanities fine arts) will be given if the student has not earned semester credit hours for any art, drama, or music course.
3. Credit for University Studies 2381 (social sciences and history) will be given if the student has not earned semester credit hours in an anthropology, economics, geography, government, history, psychology, or sociology course.

College Board Advanced Placement Tests

Students may earn credit for the following Angelo State University courses by successful completion of Advanced Placement examinations administered by the College Board in participating high schools. A score of 3 or higher is required to receive credit. The same policy guidelines apply to these examinations as to other tests in the credit by examination program.

<u>Angelo State University Course and Number</u>	<u>Examination</u>	<u>Semester Credit Hours</u>
Art 2301, 2302*	Art History	3-6*
Art 1321	Studio Art-General	3
Art 2311	Studio Art-Drawing	3
Biology 1410, 1411	Biology	8
Biology ne/na**	Environmental Science	3
Chemistry 1411, 1412	Chemistry	8
Economics 2301	Macroeconomics	3
Economics 2302	Microeconomics	3
English 1301, 1302	Language and Composition	6
English 1301, 2321	Literature and Composition	6
French 1301, 1302, 2311, 2312	French	12
German 1301, 1302, 2311, 2312	German	12
Government 2302	U.S. Government and Politics	3
History 1301, 1302	United States History	6
History 2332	European History	3
Mathematics 2331	Calculus AB	3
Mathematics 2331, 2332	Calculus BC	6
Physics 1103, 1311	Physics B	4
Physics 1103, 1331	Physics C	4
Psychology 2301	Psychology	3
Spanish 1301, 1302, 2311, 2312	Spanish	12
Spanish ne/na**	Spanish Literature	3

International Education

International education is important for the future of Texas and its citizens. For this reason, Angelo State University is committed to assisting its students in acquiring an appropriate understanding of and appreciation for the international dimensions of contemporary living as well as knowledge and experience which will enable them to function effectively in an international environment. To achieve these objectives, a variety of programs, courses, and other opportunities are made available to students.

The University each year offers a variety of summer study abroad program opportunities which are developed and directed by ASU faculty. In recent years, the University of Luneberg in Germany has hosted ASU's European Studies Program and, biennially, a second program on European education systems. Study programs, also, have been available in the United Kingdom and Greece. A cooperative agreement with the Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Chihuahua Campus, offers an outstanding program in Mexico which focuses on language instruction. Opportunities for international internship experiences, also, are provided for ASU students in certain specialized programs.

* Courses for which credit will be earned are determined by the Department of Art and Music.

** Non-equivalent, non-advanced credit earned by passing this examination will be used as elective credit.

Angelo State University has entered into exchange agreements with several foreign institutes and universities which enable ASU students to study abroad for a semester or an academic year. These agreements, also, provide opportunities for international students from abroad to study at Angelo State University where they contribute significantly to the learning environment for ASU students through their participation in class and extracurricular activities.

In addition, the University provides information and advising for the student who is interested in studying at an overseas university independently. Information regarding all international education programs and opportunities for study abroad may be obtained through the Office of the Dean of the College of Liberal and Fine Arts.

Texas International Education Consortium, Inc.

Angelo State University is a member of the Texas International Education Consortium, Inc. (TIEC) which coordinates international education in Texas for institutions of higher education. TIEC engages in separate and joint pursuit of international education exchange and aids institutions of higher education in Texas in building better international education programs for students, faculty, visitors, and participants of other nations.

Credit for Correspondence and Extension

Correspondence and extension courses are available for students who are unable to enroll in residence courses. A student may transfer to the University from an accredited institution a total of thirty semester credit hours of undergraduate extension and correspondence work, of which no more than eighteen may be earned through correspondence.

A student who is enrolled at Angelo State University and wishes to enroll concurrently at another institution for correspondence work must obtain approval from the appropriate academic dean if that credit is to apply toward an Angelo State University degree. In some cases, academic departments may designate courses in their degree programs which cannot be taken by correspondence because of lack of equivalency. Academic deans may not grant approval to take these designated courses by correspondence.

Students are discouraged from taking correspondence courses in the registration period in which they plan to graduate. If a student plans to use a correspondence course toward graduation or certification requirements, the student should plan ahead so that all work, including examinations, will be completed and official transcripts are received by Angelo State University at least three weeks prior to graduation. No correspondence course will be approved after the beginning of the semester in which the student plans to graduate.

Students may not repeat by correspondence any course which has been failed in residence at Angelo State University.

Maximum course load limits apply to all courses attempted by the student who is enrolled at Angelo State, whether those courses are attempted at Angelo State or elsewhere.

Students must complete any approved correspondence courses within twelve months of the date of approval by the appropriate academic dean.

Experiential Learning

Angelo State University does not award credit for non-academic experiences nor allow the use of experiential training toward a degree.

Enrollment Without Credit

A person who is approved for admission and who wishes to audit a course for no grade must obtain the permission of the head of the department in which the course is offered, register for the course, and pay the appropriate tuition and fees.

The terms and conditions under which a student may participate in various aspects of the class shall be determined by and subject to the approval of the faculty member conducting the class.

The student who audits a course does not enjoy the privilege of submitting papers or of receiving grades or credit for the course. However, the name of the student who audits a class does appear on the class roll with an Audit (*AU*) notation, and the audited course also is listed on the student's permanent record with an Audit designation.

Any student auditing a class who is disruptive or otherwise distracts from the learning environment of the class may be dropped from the course.

With the approval of the head of the appropriate academic department, a senior citizen who is 65 years of age or older may be allowed to audit certain courses offered by the University without payment of tuition or fees if space is available.

Information and paperwork may be obtained through the Registrar's Office.

System of Grading

At the end of each semester and summer term final grades are mailed to all students at their permanent addresses and are recorded on their academic record in the Registrar's Office.

The following grades are used with the grade point value per semester credit hour.

<u>Grade Marks</u>	<u>Grade Meaning</u>	<u>Quality (Grade) Points</u>
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
I	Incomplete	not counted
P	Pass	not counted
W	Withdrew	not counted
WF	Withdrew failing	0
WP	Withdrew passing	not counted
AU	Audit	not counted
CR	Credit	not counted
NC	No Credit	not counted
NP	No Progress on Thesis	not counted
PR	Progress on Thesis	not counted

1. The grade *I* is given when the student is unable to complete the course due to illness or personal misfortune. An *I* that is not removed before the end of the next long semester automatically becomes an *F*. A graduate student will be allowed one year to remove a grade of *I* before it automatically becomes an *F*. To graduate from ASU, a student must complete all *I*'s.
2. The grade *PR* is given only to a student registered in Thesis 6699 or 6399 who, during the semester, makes satisfactory progress but does not complete the thesis project.
3. The grade *NP* is given only to a student registered in Thesis 6699 or 6399 who, during the semester, does not make satisfactory progress on the thesis.
4. To determine the grade point average, the total number of quality hours is divided into the total number of quality points received.
5. Quality hours are defined as hours for which a student registers and receives a grade of either *A*, *B*, *C*, *D*, *F*, or *WF*.
- *6. A course may be repeated without accumulating additional quality hours. However, a course which is part of a degree that has already been conferred may not be repeated.
7. The grade of *CR* is given only for credit earned by examination for a course in which the student does not actually enroll.
8. The grade of *P* can be assigned only to courses designated in this *Bulletin* as Pass/Fail courses.

The student earns quality (grade) points on the basis of the last grade (except for *AU*, *CR*, *I*, *NC*, *NP*, *P*, *W*, *WP*, or *PR*) received in a course, but additional credit for a repeated course may not be received except as provided specifically in the course description.

Grade Grievance Policy Statement

Grade Grievances

The assignment of a grade in a course is the responsibility of the faculty member and is based on the professional judgment of the faculty member. Except for issues of computation, discrimination, equal treatment, or reasonable accommodation when a documented student need is present in accordance with the Americans with Disabilities Act of 1990 guidelines, the faculty member's grade determination is final.

Initiating a Grievance with Faculty Member

Students having a grievance concerning a grade in a course of study should make every attempt to resolve the issue with the faculty member who has assigned the grade. Faculty members should attend to the concerns of the student and explain the grade assigned to the student.

Appeal to the Department Head

Should a student be unable to resolve the grievance with the faculty member (either because no resolution was reached with the faculty member or because the faculty member is on leave or not returning to the University), the student may appeal to the department head. If the faculty member in question is the department head, the student should request that the dean of the college appoint a faculty committee to review

* For example: A student who receives a grade of *WF*, *F*, or *D* in a course and then repeats the course and receives a grade of *C* will have three quality hours with six quality points awarded.

the grievance. If the faculty member in question is the dean of the college, the department head will still be the second level of appeal. The student must present a written statement and provide compelling evidence (examinations, papers, etc.) that demonstrate why the grade should be changed. This written grievance must be presented no later than 30 days from beginning of the next semester following the semester or term when the grade was assigned as long as the faculty member assigning the grade is on campus that semester or summer term. If the faculty member assigning the grade is not on campus that following semester or term but will be teaching on campus within the next three months, the complaint may wait until 30 days into the first semester the faculty member returns to campus. The department head (or a committee appointed by the department head or dean) will review the grievance and present a written decision to the student and the faculty member within 45 days of the beginning of the semester. Either the faculty member or the student may appeal the decision rendered at this level.

Appeal to the College

If the student or the faculty member wishes to pursue the grievance further, the student (or faculty member) must present the written request to the dean of the college in which the course is taught within 30 days of the departmental decision. This procedure is to be followed even if the dean of the college is the faculty member in question. The dean will appoint an *ad hoc* grievance committee from the college to review the case. If the dean of the college is the faculty member in question, one of the deans from the other colleges of the University will appoint a faculty committee from the college in which the course is taught to serve as the *ad hoc* committee. One member of the *ad hoc* committee will be from the department where the disputed grade originated. The committee will be provided the student's written statement and evidence as well as the written report of the department head and faculty member. The committee may conduct a hearing where the student and the faculty member may present information about the grievance. The committee will issue a written decision on the grievance to the dean of the college with copies to the student and faculty member. The decision of the committee is final, and there is no further appeal through University channels.

Academic Honesty

The University expects all students to engage in all academic pursuits in a manner that is beyond reproach. Students will be expected to maintain complete honesty and integrity in their experiences in the classroom. Any student found guilty of any form of dishonesty in academic work is subject to disciplinary action.

Procedures for discipline due to academic dishonesty have been adopted by the Board of Regents and are published under the Section on Student Services and Activities in the University's Student Handbook.

Class Attendance Regulations

Students are expected to be present for all class meetings of the courses for which they are registered. An accurate record of attendance for each student must be maintained by the instructor.

In those classes where grades are affected by attendance, information to this effect must be provided in writing at the beginning of each semester. Students have a responsibility of being aware of special attendance regulations where written policies have been distributed to the class by the instructor at the beginning of the semester.

There may be a valid reason for a student's absence from class, such as illness, family emergency, or participation in an authorized University activity, and the instructor should exercise good judgment in determining if there is justification for allowing a student to make up work missed. In classes where students are absent for good cause and the instructor administers a pop test or a daily class assignment, the instructor may choose to allow the student to drop that grade(s) rather than make up the pop test or daily class assignment. However, by written notice, instructors may place reasonable limitations upon the number and types of assignments and examinations that may be made up or dropped by students for any cause. Also, the manner in which makeup work is administered is to be determined by the instructor.

If a dispute arises between an instructor and a student over absences which cannot be resolved, the student should discuss the problem with the instructor. If the issue cannot be satisfactorily resolved, the student may appeal to the instructor's Department Head, Academic Dean, the Academic Vice President, and ultimately to the President of the University.

Special Requirements for Class Attendance in Developmental Courses

Students required by either State or University regulations to take a developmental course are expected to attend all classes and class laboratories unless prevented from doing so by illness, bona fide emergencies, or circumstances beyond their control. Unauthorized absences may result in the deduction of points from the student's semester average. Moreover, if the number of accumulated absences in a required developmental course exceeds the maximum allowed as specified in the course syllabus, the student will receive a grade of *F* in the course. The 1999 TASP Policy Manual published by the Texas Higher Education Coordinating Board contains the following statements regarding attendance for developmental activities: "... a student must *participate and be enrolled* in a developmental course or other developmental program as set forth in the institution's developmental education plan." Also, "Institutions must track students to warn those who are not attending required developmental activities that they must comply with the requirements set forth in the institution's developmental education plan."

Absences incurred as a result of participation in extracurricular activities or programs sponsored by the University or its various departments or by student organizations are not considered authorized absences.

A written explanation of class attendance regulations is provided at the beginning of the semester to all students enrolled in developmental classes as part of the course syllabus.

Dropping a Developmental Class

A student required by either State or University regulations to be enrolled in a developmental class may drop that class only by withdrawing from the University.

Schedule Changes

The process of adding and dropping a course is initiated in the Registrar's Office.

Adding Courses. Courses may be added during registration periods as specified in the University calendar.

Dropping Courses. Courses may be dropped during the registration period and no grade will be given. Such courses will not be listed on the student's permanent record.

A student withdrawing from a course after the registration period, but prior to the deadline published in the University calendar, will receive a *W* grade in the course. A student dropping a course after the specified deadline will receive a *WP* if passing at the time or a *WF* if failing. However, quality hours will not be counted for any course in which a student receives a grade of *WP*. Ceasing to attend class does not constitute a formal course drop, and failure to drop a course properly will result in a failing grade in the course. Refer to the current Class Schedule and Registration Instruction Bulletin for a complete description of the process.

Withdrawal from the University

An application for withdrawal from the University must be initiated in the Registrar's Office. Refer to the University calendar in this *Bulletin* to determine the last day on which a student may withdraw from the University.

A student is not officially withdrawn until the withdrawal form has been completed, the approval of each of the appropriate University offices has been received, all drop slips have been received, and the form has been returned for approval to the Registrar's Office. The student who fails to withdraw officially will receive a grade of *F* in all courses in progress.

Separation from the University

All students separated from the University for disciplinary reasons will be awarded a grade of *W*, *WP*, or *WF* for each class in which they are enrolled at the time the disciplinary action is taken. The grades awarded will be based on the same University calendar period used to determine grade assignments for students who withdraw from the University.

Academic Retention and Suspension

The University feels a special obligation to the dedicated and capable student who is earnestly pursuing a college education. Each student who is making satisfactory academic progress towards a degree and is complying with all other University standards has the right to continue studies at the University.

A student whose academic performance is deficient is subject to academic probation. Academic probation is an indication that the student is experiencing academic problems which deserve serious consideration.

A student whose academic performance is seriously deficient is subject to academic suspension at the end of either semester of the academic year or at the end of the summer session. Suspension from the University for academic reasons is not intended to be punitive. Unsatisfactory academic performance is an indication of the student's need to reassess personal educational objectives and capabilities. This reassessment often is best achieved outside the academic setting. The period of suspension should be utilized by the student to give serious consideration to abilities, interests, and goals.

Grade Point Requirements

An overall 2.00 grade point average (*C* average) on all college-level work and a 2.00 grade point average (*C* average) for studies at this institution are required for graduation from Angelo State University. All degree programs require an overall 2.00 grade point average in the student's major field and a 2.00 grade point average in the major field in residence. All degree programs leading to teacher certification require a 2.50 overall grade point average. A 2.50 grade point average, with no grade lower than a *C* are re-

quired in each of the following areas: first teaching field (major), additional teaching field(s), interdisciplinary major (including academic specialization), and professional education. In addition, a grade of *C* or better is required in student teaching. Official grade point averages are not rounded up.

The Grade Point Average Requirement Table specifies the cumulative grade point average requirements in college-level course work for each stage of the student's program.

Grade Point Average Requirement Table

Total Semester Hours Earned In College-Level Course Work	I Academic Suspension	II Academic Probation*
	GPA less than	GPA less than
0-29	1.35	2.00
30-59	1.60	2.00
60-89	1.80	2.00
90 or more	1.90	2.00

A student's academic progress is measured in terms of the student's overall grade point average, which is based on all course work (including developmental courses) taken in which a computable grade is awarded. The student's overall grade point average is computed by dividing the total number of quality (grade) points earned by the total number of quality hours. For example, a sophomore student who has 35 quality hours and has earned 85 quality points would have a 2.43 overall grade point average: $85 \text{ quality points} \div 35 \text{ quality hours} = 2.43 \text{ GPA}$. Quality hours are defined as hours for which a student registers and receives a grade of either *A*, *B*, *C*, *D*, *F*, or *WF*. See the section entitled "System of Grading" for information on related items.

Academic Standing

Grade point averages are compiled at the end of the fall and spring semesters and the summer session. The student whose cumulative grade point average in college-level course work is less than the standard listed in Column I of the GPA Requirement Table will be suspended from the University. The student whose cumulative grade point average falls in the range defined in Column II is placed on academic probation. First semester freshmen are normally allowed two semesters (one academic year) to meet the above GPA requirement provided their GPA on all college-level work attempted does not fall below 1.00.

Academic Probation: A student is placed on academic probation at the end of either semester of the academic year or at the end of the summer session when the student's cumulative grade point average falls within the range defined in Column II in the GPA Requirement Table, and academic probation will continue as long as the student's grade point average continues within the probationary range. However, when classified as a junior or higher (sixty or more semester hours earned), the student is permitted only two consecutive registrations on probation and will be suspended if probationary status

* *The student should be alert to the fact that a cumulative grade point average of less than 2.00 represents a grade point deficiency which must be overcome in order to graduate.*

is not removed prior to the student's third registration. Registration for one or both terms of the summer session is regarded as a single registration. Academic probation will continue until the student's cumulative grade point average reaches 2.0.

A student on academic probation who withdraws from the University within the calendar deadline for dropping courses with a *W* is eligible for re-enrollment on academic probation. The student who withdraws after the specified deadline is subject to academic suspension.

Academic Suspension. At the end of either semester of the academic year or at the end of the summer session, a student whose cumulative grade point average falls below the standard defined in Column I of the GPA Requirement Table will be suspended and during the period of suspension will be ineligible to register for any course work at Angelo State University.

A student's first academic suspension is for one semester of the academic year and any intervening summer session. The duration of a second academic suspension is one calendar year and of a third academic suspension is generally considered to be permanent, but is subject to review by the appropriate academic dean.

A student who re-enters the University after a period of academic suspension will reenter the University on academic probation. In this category, a student who has been readmitted to the University and who is classified as a junior or higher (sixty or more semester hours earned), must remove probationary status prior to a second registration or be suspended.

Exceptions to the suspension policy may be made in situations involving documented cases of serious illness or personal misfortune, when students are making discernible progress toward completion of a degree program, or in other cases at the discretion of the appropriate academic dean. Petitions for review of such cases must be made to the dean of the appropriate college prior to the first day of late registration for the fall and spring semesters and the summer session [or as otherwise specified in writing by the Vice President for Academic Affairs].

Deans' List

An undergraduate student will be eligible for the Deans' List during the fall or spring semester upon completion of 12 or more college-level (non-developmental) semester credit hours in residence, with a semester grade point average of 3.25 or greater in college-level courses, and with an overall semester grade point average of 3.25. This honor will be noted on the semester grade report. Any student making an *F*, *WF*, *NC*, or *I* will not be eligible for the Deans' List.

Student Responsibility

Each student is responsible for knowing the academic regulations in the University *Bulletin*. Unfamiliarity with these regulations does not constitute a valid reason for failure to fulfill them. Eligibility to register at each registration period must be determined by the student. An academically ineligible student who registers will be dismissed immediately from the University.

Degree and Graduation Requirements

The Undergraduate Degree Plan

All students working toward a baccalaureate degree are strongly encouraged to complete a degree plan early in their academic careers and should complete a degree plan prior to the completion of 30 semester credit hours (before becoming a sophomore).

Students without an approved degree plan should follow closely the course of study for their proposed major specified under the designated academic department in this *Bulletin*. Failure to do so may result in a delay in the completion of the degree requirements.

Degree plan forms are available in the appropriate departmental offices. For any degree, the student must confer with and receive approval for the degree plan from the academic department head in the proposed major department and the dean of the college.

Once a student has had the degree plan completed, the student is permitted to change the degree plan only with written approval of the Department Head and Dean of the College.

The University will not be responsible for accepting any courses toward a baccalaureate degree at ASU which are taken by a student beyond the first semester of the junior year or the completion of 70 semester credit hours if the student has not had a degree plan completed and filed with the University.

Teaching fields and supporting concentrations not required in the student's degree program will not be included in the degree plan. Students who want to obtain teaching fields beyond those required in their degree programs should consult the University's Certification Officer in the School of Education.

Application for a Degree*

The student planning to receive a degree from Angelo State University should file an Application for Graduation with the dean of the appropriate academic college during registration for the student's last semester, but in no event later than the designated date in the University calendar. For August graduation, the student must apply in the first summer term. No degree will be conferred until a degree plan has been approved, the Application for Graduation has been filed, and the graduation fee paid.

Graduation Exercises

Angelo State University has graduation exercises at the end of the fall semester (in December), at the end of the spring semester (in May), and at the end of the summer session (in August).

Each graduate must be present for rehearsal of the graduation exercise and at the graduation ceremony unless the Vice President for Academic Affairs has approved the candidate's written application for permission to be graduated in absentia.

Instructions concerning graduation exercises will be mailed to each candidate at the appropriate time.

* Refer to Credit for Correspondence and Extension, p. 141. Graduate students refer to p. 386.

Graduation with Honors

A candidate for a baccalaureate degree who has completed at least sixty undergraduate semester hours in residence at Angelo State University will be eligible for graduation with honors. Cumulative grade point averages, based on undergraduate grades for both transfer and Angelo State University courses, are used in determining graduation honors. A student with a cumulative undergraduate grade point average of 3.50 to 3.69 will be graduated *cum laude*; a student with a cumulative undergraduate grade point average of 3.70 to 3.89 will be graduated *magna cum laude*; and a student with a cumulative undergraduate grade point average of 3.90 to 4.00 will be graduated *summa cum laude*.

Graduation Under a Particular *Catalog/Bulletin*

The University reserves the right to modify the curricula or withdraw any courses when it appears wise to do so. The policies and procedures in this *Bulletin* are currently in effect; however, the University reserves the right to make changes or modifications for good cause.

To receive a degree from Angelo State University, a student must fulfill all requirements for the degree as set forth in a particular University catalog as amended. Several choices are allowed: (1) Graduation may be under the requirements of the current *University/Bulletin*. (2) Graduation may be under the *Catalog/Bulletin* of the year in force when the student first registered at Angelo State University or when the student registered at an accredited Texas community college prior to transferring to Angelo State University. (3) Graduation may be under the requirements of the *Catalog/Bulletin* for any subsequent year in which the student was registered at Angelo State University or when the student registered at an accredited Texas community college prior to transferring to Angelo State University. Each of these provisions is subject to the limitation that all requirements for a degree from Angelo State University must be completed within six years from the date of the *Catalog/Bulletin* selected. For example, a student who chooses to graduate under the requirements of the 1995-97 *University Bulletin* must complete all requirements for the degree under that *Catalog/Bulletin* prior to August 2001. Otherwise, a later *Catalog/Bulletin* must be selected. However, when a student is enrolled at Angelo State University during the second academic year included in a two-year *Catalog/Bulletin*, the six-year limit extends from the beginning of the second academic year of the *Catalog/Bulletin*.

Selection of a Major

Students are strongly encouraged to declare a major by the time they complete 30 semester credit hours. Students who have not declared a major by the time they complete 30 semester credit hours may extend the time required to complete their degree.

Double Major

A student who wishes to earn a degree with a double major may do so provided the student meets all requirements for each major and also provided the two majors fall under the same degree category. For example, a student could earn a Bachelor of Arts degree with a major in history and a major in government; however, the student could not earn a double major in history and biology since the degree in biology would be a Bachelor of Science degree.

Earning a Second Baccalaureate Degree

A student who holds one baccalaureate degree from this University or any college or university that is a member of a regional accrediting association may receive a second baccalaureate degree by completing the following requirements:

1. A minimum of thirty new semester hours in residence, including twenty-four new semester hours of advanced work in residence. New semester hours are those taken and completed after the student has received one baccalaureate degree.
2. A minimum of twelve new semester hours of advanced work in the major subject field in residence and six new advanced semester hours in the minor subject field in residence (if there is a minor field).
3. Completion of all other requirements of the degree sought at Angelo State University, as outlined in the *Catalog/Bulletin* in effect when the student initiates course work leading to a second baccalaureate degree. Beyond this provision, *Catalog/Bulletin* selection shall be in accordance with the policy statement "Graduation Under a Particular *Bulletin*." (See p. 150 in this *Bulletin*.)

Developmental Education Program

Angelo State University offers developmental education programs in English and mathematics. The developmental curriculum includes English 130C *Fundamentals of English*, Math 130A *Fundamentals of Mathematics I*, and Math 130B *Fundamentals of Mathematics II*. State regulations prohibit the use of credit in developmental courses to fulfill degree requirements. However, grades earned in these courses are included in the computation of a student's grade point average. A student required by State or University regulations to participate in a developmental education program must be continuously enrolled until that program is successfully completed.

A student will be allowed two attempts to complete a required developmental course successfully. Failure to achieve a grade of C or better during the second enrollment in that course will result in the student's suspension from the University.

A student enrolled in developmental classes is also subject to special provisions regarding class attendance and withdrawals (See p. 145)

Basic English Skills

A student admitted to the University who scores less than 17 on the English section of the ACT) or less than 430 on the Scholastic Assessment Test I (SAT I) will be required to enroll in English 130C during the initial enrollment period with the provision that satisfactory completion of the course with a grade of *C* or better shall be a condition for enrolling in English 1301 (p. 250). A student who fails the writing or reading section of the TASP test will also be required to complete English 130C with a grade of *C* or better.*

Basic Mathematic Skills

A student admitted to the University who scores less than 18 on the mathematics section of the Enhanced American College Test (ACT) or less than 400 on the quantitative section of the Scholastic Assessment Test I (SAT I) will be required to enroll in Mathematics 130A and/or Mathematics 130B during the initial enrollment period with the provision that satisfactory completion of these courses with a grade of *C* or better shall be a condition for enrolling in a college-level mathematics course (p. 316). A student who fails the mathematics section of the TASP test will also be required to complete Mathematics 130A and/or Mathematics 130B with a grade of *C* or better.*

* The minimum ACT, SAT, SAT I, and TASP scores are subject to change without prior notice.



Requirements for the Bachelor of Arts Degree

The following requirements are common to all Bachelor of Arts degree programs. For specific and additional academic major program requirements, see the appropriate departmental section of the *Bulletin*; e.g., for an academic major in English, see Department of English section.

Core Curriculum Requirements

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section of this Bulletin on credit by examination.

COMMUNICATION: The student must fulfill an oral communication competency requirement by satisfactorily completing Communication 2301. (Communication 2331 may be used in teacher certification programs to fulfill this requirement.)

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history: History 1301 and History 1302.

MATHEMATICS: The student is to complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL AND PERFORMING ARTS: The student must complete one lower-division, three-semester-hour course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of Arts Degree Specific Requirements

MODERN LANGUAGE: The student must earn six semester hours of the same language at the sophomore level [Modern Language 2311 (Span 2310 or 2311) and 2312]. Students without the necessary preparation to begin Modern Language 2311 will take Modern Language 1301 and/or 1302.*

HUMANITIES: One three-semester-hour lower division course from the following: sophomore literature offered by the Department of English; History 2331, 2332; Philosophy 2301, 2311.

Academic Major

The academic major in the Bachelor of Arts degree programs requires no fewer than thirty and no more than thirty-six semester hours, of which at least eighteen semester hours will be at the advanced level, and at least twelve advanced hours will be taken in residence. Performance requirements in music are not included in the thirty-six semester-hour limit for an academic major in music.

Academic major programs leading to the Bachelor of Arts degree will be selected from the following:

Art	German	Music
Communication	Government	Psychology
Drama	History	Sociology
English	Journalism	Spanish
French	Mathematics	

Supporting Concentration

The supporting concentration is selected from one or more disciplines outside the academic major. A minimum of eighteen semester hours is required with the student choosing either a single area concentration or a multiple area concentration as defined below.

1. Single Area Concentration—a series of courses in one academic discipline totaling eighteen semester hours, six of which must be advanced and in residence, or
2. Multiple Area Concentration—a set of courses selected from two or three academic disciplines. Nine semester hours, including at least six advanced semester hours in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

* Students may receive credit in Modern Language 1301, 1302, 2311, (Spanish 2310 or 2311), and 2312 by taking examinations administered by the Department of Modern Languages. Students who wish to register for Modern Language 2311 must first demonstrate proficiency in the language either by passing Modern Language 1301 and 1302 or by examination. Students who complete Modern Language 2311, (Spanish 2310 or 2311), or 2312 are not eligible subsequently to earn credit by examination in Modern Language 1301 and 1302.

Programs of supporting concentration will be chosen from the following academic disciplines:

Accounting	English***	Management
Aerospace Studies**	Ethnic Studies	Management Information Systems**
Agronomy	Finance	Marketing
Animal Science	French	Mathematics****
Art	Generic Special Ed	Music*****
Biology	Geography**	Physical Science**
Business Administration*	German	Physics
Chemistry	Government	Psychology
Communication	History	Range and Wildlife Management
Computer Science	Journalism	Reading
Criminal Justice	Kinesiology	Sociology
Drama	Linguistics**	Spanish
Economics		

Teaching Fields for Secondary Level Teacher Certification

A student who is seeking teacher certification at the secondary level is not required to present an academic major or program of supporting concentration but must present first and second teaching fields. The first teaching field consists of a minimum of 30 semester hours, 18 of which must be advanced, with 12 advanced hours taken in residence. The second teaching field consists of a minimum of 24 semester hours, 12 of which must be advanced, with nine advanced hours taken in residence (with the exception of life-earth science and physical science). For each of these areas, a minimum of six advanced hours is required in residence.

-
- * The Business Administration supporting concentration is an eighteen-hour multiple-discipline concentration in which students must choose one course from each of accounting, business administration, economics, finance, management, and marketing. At least six hours must be advanced and in residence. Non-Business majors planning to pursue a Master of Business Administration degree should refer to the graduate section of this *Bulletin* for a listing of "leveling" courses which must be taken prior to enrolling in graduate level MBA courses.
 - ** Students cannot choose aerospace studies, geography, linguistics, management information systems, or physical science as a single area concentration. These disciplines may be used only as part of a multiple area concentration. At least six semester hours of advanced work will be required in residence for each discipline.
 - *** The supporting concentration in English may be planned for a specialization in professional writing. See the English Department section for details.
 - **** Single area concentration or multiple area concentration in Mathematics must include six semester hours chosen from Mathematics 3301, 3307, 3333, 3335.
 - ***** If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the single area concentration. In the multiple area concentration, only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

The student will select a first teaching field from the disciplines listed under the academic major category except music, psychology, and sociology. A first teaching field in history with teacher certification in social studies is also available. A second teaching field will be selected from the following disciplines: art, biology, chemistry, communication, computer science, drama, English, French, generic special education, German, government, history, journalism, kinesiology, life-earth science, mathematics, physical science, physics, social studies, or Spanish.

Students seeking teacher certification should refer to appropriate degree plans elsewhere in this Bulletin for information concerning education courses and should also consult the Teacher Certification Officer in planning their programs in order to make certain that they are meeting the requirements of the State Board for Educator Certification.

Other Requirements

ADVANCED HOURS: A minimum of 39 semester hours (junior and senior level courses).

ELECTIVES: Six semester hours of electives unencumbered by the departments, either by the requirements of specific courses or of advanced hours in a specific degree program. A minimum of three elective hours are required in teacher certification programs.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average in the student's academic major and a 2.00 grade point average in the major field in residence. All degree programs leading to teacher certification require a 2.50 overall grade point average and a 2.50 grade point average with no grade lower than a C in each of the following areas: first teaching field (major), additional teaching field(s), and professional education (including student teaching).

RESIDENCE: Overall a minimum of 33 semester hours in residence, including 24 semester hours of advanced work. Included are 12 advanced hours in residence in the single discipline academic major or first teaching field, and six advanced hours in residence in single area supporting concentration or 12 to 18 advanced hours in residence in the multiple area supporting concentration, dependent upon the number of fields represented in the program. The second teaching field requires nine advanced hours in residence. Students seeking teacher certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: A minimum of 130 semester hours.*

* The student who is in a program leading to teacher certification may be required to exceed 130 semester hours in order to meet all degree and certification requirements.

Requirements for the Bachelor of Fine Arts Degree

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section of this Bulletin on credit by examination.

Core Curriculum Requirements

COMMUNICATION: The student must fulfill an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history: History 1301 and History 1302.

MATHEMATICS: The student is to complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL AND PERFORMING ARTS: The student must complete one lower-division, three-semester-hour course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of Fine Arts Degree Specific Requirements

HUMANITIES: One three-semester-hour, lower-division course from the following: sophomore literature offered by the Department of English; History 2331, 2332; Philosophy 2301, 2311.

Academic Major

A total of 60 semester hours in art is required in the studio art major of which 36 hours must be advanced. At least 24 advanced semester hours in art must be taken in residence.

Students should refer to the appropriate degree plan in the Department of Art and Music section of this *Bulletin* for information concerning this degree.

Other Requirements

ADVANCED HOURS: A minimum of 39 semester hours (junior and senior level courses).

DEPARTMENTAL REQUIREMENTS: During their second year, students will be required to take a skills test to assess their basic knowledge of artistic concepts. The skills test will be administered by the art faculty each spring semester. If a student fails to demonstrate adequate skills, a faculty committee will recommend to the student that he/she repeat course work or complete additional course work. Upon completion of the prescribed course work, the student will repeat the skills test. If adequate skills are still not demonstrated, then the faculty committee will recommend to the student that he/she pursue a different curriculum of study.

Graduating seniors will submit for review and evaluation a completed portfolio of their studio work together with an evaluative paper that will clearly explain, define, and analyze their portfolio work. Both the portfolio work and the contents of the explanatory paper will be reviewed by a committee of art faculty and an art juror from outside the University. The quality of a student's portfolio work will be an output measure for the faculty to determine the quality of instruction delivered by the department.

ELECTIVES: A minimum of 16 semester hours of electives are to be included in the degree program.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average in the student's academic major and a 2.00 grade point average in the major field in residence.

RESIDENCE: Thirty-three semester hours in residence, with 24 semester hours at the advanced level and in residence.

TOTAL HOURS: A minimum of 130 semester hours.

Requirements for the Bachelor of General Studies Degree

A student who is interested in obtaining additional information about the Bachelor of General Studies degree program should contact either the Dean of the College of Liberal and Fine Arts or the Dean of the College of Business and Professional Studies.

Core Curriculum Requirements

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section in this *Bulletin* on credit by examination.

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history. History 1301 and History 1302.

MATHEMATICS: The student is to complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL and PERFORMING ARTS: The student must complete a three-semester-hour, lower-division course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of General Studies Degree Specific Requirements

ENGLISH: The student must complete one three hour course in English literature. This is in addition to the English literature course required for the Core Curriculum.

MODERN LANGUAGE: Six semester hours of the same language at the sophomore level [Modern Language 2311 (Spanish 2310 or 2311) and 2312]. Students without the necessary preparation to begin Modern Language 2311 (Spanish 2310 or 2311) will take Modern Language 1301 and/or 1302.*

PHYSICAL ACTIVITY: Complete one hour of physical activity. This is in addition to the one hour physical activity Core Curriculum requirement.

Distributional Requirements

The student must complete courses in each of the distributional areas.

1. **Distributional Area One.** One course to be taken from one of the following disciplines: art, drama, journalism, music, and philosophy. This course must be chosen from a discipline other than the one taken to fulfill the Visual and Performing Arts component of the Core Curriculum.
2. **Distributional Area Two.** One course to be taken from one of the following disciplines: economics, geography, linguistics, psychology, and sociology. This course must be chosen from a discipline other than the one taken to fulfill the Social Science component of the Core Curriculum.

The student must fulfill distributional requirements by presenting courses outside the major discipline and which, in each of the distributional areas, represent more than one discipline. With the approval of the Vice President for Academic Affairs, interdisciplinary courses may be utilized by the student to fulfill distributional requirements.

Multiple Discipline Academic Major

In the multiple discipline General Studies major the student will be required to take 54 semester credit hours, of which 30 hours must be taken at the advanced level. To satisfy residency requirements, 18 of these advanced hours must be taken at Angelo State University. The student pursuing a degree in General Studies will be required to choose courses from at least two but not more than four of the academic disciplines listed below. At least six advanced semester credit hours must be taken in residence from each of the academic disciplines selected. If only two academic disciplines are selected, the course work and the advanced semester credit hours must be equally divided between the disciplines. If three academic disciplines are selected, the course work must be equally divided among the disciplines. If four academic disciplines are selected, at least 12 semester credit hours must be taken from each of the academic disciplines selected. If three or four disciplines are selected, the advanced semester hour

* Students may receive credit in Modern Language 1301, 1302, 2311, (Spanish 2310 or 2311) and 2312 by taking examinations administered by the Department of Modern Languages. Students who wish to register for Modern Language 2311 must first demonstrate proficiency in the language either by passing Modern Language 1301 and 1302 or by examination. Students who complete Modern Language 2311 (Spanish 2310 or 2311) or 2312 are not eligible subsequently to earn credit by examination in Modern Language 1301 and 1302.

requirement in residence may be waived by the University for transfer students in one of the disciplines.

Accounting	German
Animal Science	Government
Art	History
Biology	Journalism
Business Administration	Kinesiology
Chemistry	Management
Communication	Marketing
Computer Science	Mathematics*
Criminal Justice	Music
Drama	Physical Science
Economics	Physics
English	Psychology
Finance	Sociology
French	Spanish

**Other academic disciplines or CCAF technical course credits approved by the University for transfer students.

* Mathematics 3311, 3313, 3321 cannot be used to satisfy this requirement.

** Where credit is allowed for such technical courses, the student must choose courses from at least three of the academic disciplines listed under the Multiple Discipline Academic Major.

Other Requirements

ADVANCED HOURS: A minimum of 39 semester hours (junior and senior level courses).

ELECTIVES: Normally nine to 15 hours of electives will be included in the program with enough advanced hours of electives to meet the overall requirement of 39 advanced hours in the program.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, a minimum 2.00 grade point average in the student's multiple discipline academic major, and a minimum 2.00 grade point average in the major in residence.

RESIDENCE: Overall a minimum of 33 hours must be taken in residence at ASU, including 24 semester credit hours of advanced work. Eighteen advanced hours in residence are required in the multiple discipline academic major.

TOTAL HOURS: A minimum of 130 semester hours.

Requirements for the Bachelor of Music Degree

Core Curriculum Requirements

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section in this *Bulletin* on credit by examination.

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301. Communication 2331 may also be used to fulfill this requirement.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302 and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and Government 2302.

HISTORY: Six semester hours of American history: History 1301 and History 1302.

MATHEMATICS: The student is to complete one of the following courses: 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL and PERFORMING ARTS: The student must complete a three-semester-hour, lower-division course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of Music Degree Specific Requirements

HUMANITIES: One three-semester-hour lower division course from the following: sophomore literature offered by the Department of English; History 2331, 2332; Philosophy 2301, 2311.

Academic Major

Sixty semester hours in music are required for the major, of which 24 semester hours must be advanced. At least 18 advanced semester hours in music must be taken in residence. The Bachelor of Music degree allows the student to meet all requirements for all-level teacher certification in music.

Students should refer to the appropriate degree plan in the Department of Art and Music section of this *Bulletin* for information concerning this degree and should also consult the Teacher Certification Officer in planning their programs in order to make certain that they are meeting the requirements of the State Board for Educator Certification.

Professional Education Requirements

EDUCATION: The following education courses are required in the Bachelor of Music program: 4315, 4317, 4321, 4395, 4397.

EDUCATION PSYCHOLOGY: Complete Educational Psychology 3311.

READING: The student must complete three semester hours in an advanced-level reading course which fulfills requirements for teacher certification: Reading 4320.

Other Requirements

ADVANCED HOURS: A minimum of thirty-nine semester hours (junior and senior level courses).

DEPARTMENTAL REQUIREMENTS: The Department of Art and Music requires of all students in the Bachelor of Music program the following: piano proficiency examination, successful completion of the sophomore upper-level exam and of the senior-level recital in the major instrument, concert/recital attendance and participation in an ensemble during all semesters enrolled except student teaching.

ELECTIVES: A minimum of three semester hours of electives are to be included in the degree program.

GRADE REQUIREMENTS: A minimum 2.50 grade point average overall and in the major/teaching field are required. A 2.50 grade point average is also required in the professional education courses. No grade lower than a *C* in the academic major/teaching field and in professional education (including student teaching) is allowed.

RESIDENCE: A minimum of 33 semester hours in residence, including 24 semester hours of advanced work. Eighteen advanced semester hours in residence are required in music. Students seeking teacher certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: A minimum of 130 semester hours.

The Bachelor of Business Administration Degree

Purpose of the Business Program

The primary purpose of the business program at Angelo State University is to prepare and develop students to serve society, contribute to the effectiveness of business and other organizations, and meet their own personal goals.

Statement of Philosophy

A society earns the ability to maintain and advance the interests of its members by producing and distributing products and services in domestic and international trade. If the society is to earn increasing returns on its resources, it must be competitive in its production and responsibility for this competitive effort is business.

Those who will contribute to organizational effectiveness in the future will do so, apparently, in the most uncertain and ambiguous environment ever. Today's business graduate, in every discipline, must be prepared to deal effectively with the changes of tomorrow.

To this end, the Business Program is committed to the following:

1. Full support of and dedication to carrying out the purpose of the University specified in the catalog.
2. A primary faculty responsibility of teaching and developing students.
3. A curriculum that addresses:
 - a. Competencies and breadth of the knowledge expected of an educated person.
 - b. A current body of knowledge commonly expected of a business graduate.
 - c. Ethical and socially responsible issues and considerations.
 - d. Development of competencies, beyond subject matter knowledge, in areas such as leadership, communications, decision-making, and creativity.
4. A program that expects certain competencies, adds educational value, and measures outcomes.
5. Attention to recruiting and retaining a motivated and competent faculty.
6. Recognition and support of faculty renewal through an on-going faculty development program that encourages research, training, consulting, and other scholarly activities.
7. Encouragement and support for innovative teaching where appropriate for learning objectives.
8. Development and maintenance of linkages with the business community and other practitioner organizations.

Requirements for the Bachelor of Business Administration Degree

The following requirements are common to all Bachelor of Business Administration degree programs. For specific and additional requirements, see the appropriate business department section of the *University Bulletin*. See pgs. 184, 393 for requirements for the integrated BBA-MBA program in Accounting.

Core Curriculum Requirements

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section in this Bulletin on credit by examination.

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and a sophomore literature course. These literature courses are offered by the Department of English.

GOVERNMENT: Government 2301 and 2302.

HISTORY: History 1301 and 1302.

MATHEMATICS: The student must complete one of the following: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL and PERFORMING ARTS: The student must complete a three-semester-hour, lower-division course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of Business Administration Degree Specific Requirements

ENGLISH: English 3352.

ECONOMICS: Economics 2302. Economics 2301 will be required unless this course is taken to fulfill the social science core curriculum requirement.

MATHEMATICS: Math 1312. Math 1302 or 1311 will be required unless either of these courses were taken to fulfill the mathematics core curriculum requirement. A BBA in computer science requires 9 semester hours of mathematics (including 2332).

PHYSICAL ACTIVITY: Complete one hour of physical activity. This is in addition to the one hour physical activity core curriculum requirement.

PSYCHOLOGY: Complete three hours of psychology. (BBA in ACC, BBA/MBA in ACC, BBA in C S, BBA in FIN, BBA in FNRE, and BBA in FNFP are not required to take psychology. All other BBA degrees are required to take psychology.)

Academic Major

The Bachelor of Business Administration is a broad field degree and a supporting concentration outside of business is optional. A minimum of 63 semester hours, including the major and other work in the departments of business is required, of which at least 21 advanced hours must be taken in residence.

Students will select a major from the following areas:

Accounting	Finance
Business (a multi-disciplinary major)	Finance with Financial Planning Option
Business with International Option	Finance with Real Estate Option
Business with Management Information Systems (MIS) Option	Management
Computer Science	Marketing

Supporting Concentration (Optional)

A minimum of eighteen semester hours with the student choosing either a single area concentration or a multiple area concentration as defined below.

1. Single Area Concentration. A series of courses in one academic discipline totaling 18 semester hours, six of which must be advanced and in residence.
2. Multiple Area Concentration. A set of courses selected from two or three academic disciplines. Nine semester hours, including at least six semester hours of advanced work in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

Programs of supporting concentration will be selected from the following academic disciplines:

Aerospace Studies**	German
Agronomy	Government
Animal Science	History
Art	Journalism
Biology	Kinesiology
Chemistry	Linguistics**
Communication	Mathematics***
Computer Science	Music****
Criminal Justice	Physical Science**
Drama	Physics
English*	Psychology
Ethnic Studies	Range and Wildlife Management
French	Sociology
Geography**	Spanish

Other Requirements

ADVANCED HOURS: A minimum of 39 semester hours (junior and senior level courses).

ELECTIVES: Nine semester hours of electives must be taken outside the business departments.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for all work taken at Angelo State University, a minimum 2.00 grade point average for all work taken in the departments of business, a 2.00 grade point average in all work taken in the departments of business in residence, and a minimum 2.00 grade point average in the ten courses which comprise the academic major. The minimum 2.00 grade point average in the academic major applies to the accounting major, computer science major, and the finance with financial planning option only.

RESIDENCE: Overall a minimum of 33 semester hours in residence, including 24 semester hours of advanced work. Twenty-one advanced semester hours in residence are required in the business departments.

TOTAL HOURS: A minimum of 130 semester hours. The 130 semester hours presented by the student in fulfillment of the requirements of a B.B.A. degree program must include at least 58 semester hours of course work taught outside the business departments.

* The supporting concentration in English may be planned for a specialization in professional writing. See the English department section for details.

** Students cannot choose aerospace studies, geography, linguistics, or physical science as a single area concentration. These disciplines may be used only as part of a multiple area concentration as defined above.

*** Single area concentration or multiple area concentration in mathematics must include six semester hours chosen from Mathematics 3301, 3307, 3333, 3335.

**** If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the single area concentration. In the multiple area concentration, only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

Requirements for the Bachelor of Science Degree

The following requirements are common to all Bachelor of Science degree programs. For specific and additional academic major program requirements, see the appropriate departmental section of the *Bulletin*; e.g., for an academic major in biology, see Department of Biology section.

Core Curriculum Requirements

Several of the core curriculum course requirements may be fulfilled in different ways. For alternatives in fulfilling these requirements, the student should refer to the section in this Bulletin on credit by examination.

COMMUNICATION: The student must satisfy an oral communication competency requirement by satisfactorily completing Communication 2301. Communication 2331 may be used to fulfill the requirement in teacher certification programs.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and three semester hours of sophomore literature. These literature courses are offered by the Department of English.

GOVERNMENT: Six semester hours of state and federal government: Government 2301 and 2302.

HISTORY: Six semester hours of American history: History 1301 and 1302.

MATHEMATICS: The student must complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of lower-division laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the lab science courses in one or more disciplines.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course. Seven additional semester hours of different physical activity courses may be chosen by the student and credited to meet degree requirements as electives only.

SOCIAL SCIENCE: The student must complete one three-semester-hour, lower-division course in economics, geography, psychology, or sociology.

VISUAL and PERFORMING ARTS: The student must complete a three-semester-hour, lower-division course in art, drama, or music.

IN SOME ACADEMIC PROGRAMS, COURSES MAY BE TAKEN WHICH FULFILL BOTH CORE CURRICULUM AND ACADEMIC MAJOR OR SUPPORTING CONCENTRATION REQUIREMENTS. THE STUDENT SHOULD REFER TO THE DEGREE PLANS WHICH ARE INCLUDED IN THE ACADEMIC DEPARTMENTAL SECTIONS OF THE *BULLETIN* FOR INFORMATION IN THIS REGARD.

Bachelor of Science Degree Specific Requirements

NATURAL SCIENCE: A total of four semesters of science courses to include two semesters of biology or geology (can include more than one discipline) and two semesters of chemistry, physical science, or physics (can include more than one discipline). The eight hours in the core requirement above will be included in this four-semester total.

Single Discipline Academic Major

In the single discipline academic major no fewer than 30 and no more than 42 semester hours, of which at least 18 semester hours will be at the advanced level, and 12 advanced semester hours will be taken in residence.

Single discipline academic majors for the Bachelor of Science degree will be selected from the following academic programs:

Animal Science
Biochemistry
Biology
Chemistry
Computer Science

Economics
Kinesiology
Mathematics
Medical Technology

Physics
Physics, Applied
Psychology
Sociology

Supporting Concentration

The supporting concentration is selected from one or more disciplines outside the academic major.



A minimum of 18 semester hours with the student choosing either a single area concentration or a multiple area concentration as defined below.

1. **Single Area Concentration**—A series of courses in one academic discipline totaling 18 semester hours, six of which must be advanced and in residence, or a
2. **Multiple Area Concentration**—A set of courses selected from two or three academic disciplines. Nine semester hours, including at least six advanced semester hours in residence, are required in each component discipline of a multiple area concentration. Certain multiple-discipline supporting concentrations which have been departmentally designed are not required to meet these general requirements for the multiple area supporting concentration.

Programs of supporting concentration will be selected from the following academic disciplines:

Accounting	English***	Management Information
Aerospace Studies**	Ethnic Studies	Systems**
Agronomy	Finance	Marketing
Animal Science	French	Mathematics****
Art	Generic Special Ed	Music*****
Biology	Geography**	Physical Science**
Business Administration*	German	Physics
Chemistry	Government	Psychology
Computer Science	History	Range and Wildlife Management
Communication	Journalism	Reading
Criminal Justice	Kinesiology	Sociology
Drama	Linguistics**	Spanish
Economics	Management	

-
- * The Business Administration Supporting Concentration is an eighteen-hour multiple-discipline concentration in which students must choose one course from each of accounting, business administration, economics, finance, management, and marketing. At least six hours must be advanced and in residence. Non-business majors planning to pursue a Master of Business Administration degree should refer to the graduate section of this *Bulletin* for a listing of "leveling" courses which must be taken prior to enrolling in graduate level MBA courses.
 - ** Students cannot choose aerospace studies, geography, linguistics, management information systems, or physical science as a single area concentration. These disciplines may be used only as part of a multiple area concentration. Nine semester hours, including at least six semester hours of advanced work will be required in residence for each discipline.
 - *** The supporting concentration in English may be planned for a specialization in professional writing. See the English department section for details.
 - **** Single area concentration or multiple area concentration in mathematics must include six semester hours chosen from Mathematics 3301, 3307, 3333, 3335.
 - ***** If music is selected as a supporting concentration, only three semester hours of applied music and three semester hours of ensemble may be utilized for the single area concentration. In the multiple area concentration, only three semester hours of applied music and/or ensemble may be utilized. Applied music may not be used to fulfill advanced requirements in the music supporting concentration.

Teaching Fields for Secondary Level Teacher Certification and Interdisciplinary Academic Majors for Elementary Level Teacher Certification

A student who is seeking teacher certification at the secondary level is not required to present an academic major or program of supporting concentration, but must present first and second teaching fields. The first teaching field consists of a minimum of 30 semester hours, 18 of which must be advanced and 12 advanced must be taken in residence. The second teaching field consists of a minimum of 24 semester hours, 12 of which must be advanced with nine advanced hours taken in residence; with the exception of life-earth science and physical science. For each of these areas, a minimum of six advanced hours is required in residence.

The student will select a first teaching field from the following disciplines: biology, chemistry, computer science, kinesiology, mathematics, or physics. A second teaching field will be selected from the following disciplines: art, biology, chemistry, communication, computer science, drama, English, French, generic special education, German, government, history, journalism, kinesiology, life-earth science, mathematics, physical science, physics, social studies, or Spanish.

A student who is pursuing the Bachelor of Science degree with teacher certification at the elementary level is required to present an academic major in Interdisciplinary Child Development and Learning. The interdisciplinary academic major which includes a supporting academic specialization requires no fewer than 48 semester hours, of which at least 21 semester hours will be at the advanced level, and at least 18 advanced hours (six from the supporting academic specialization) will be taken in residence.

A supporting academic specialization consists of 18 or 24 semester hours, with six advanced hours in residence. (Consult the Department of Education *Bulletin* section for additional information on the supporting academic specialization areas.)

Students seeking teacher certification should refer to appropriate degree plans elsewhere in this Bulletin for information concerning education courses and should also consult the Teacher Certification Officer in planning their programs in order to make certain that they are meeting the requirements of the State Board for Educator Certification.

Other Requirements

ADVANCED HOURS: A minimum of 39 semester hours (junior and senior level courses).

ELECTIVES: Six semester hours of electives unencumbered by the departments, either by the requirement of specific courses or of advanced hours in a specific degree program. A minimum of three elective hours are required in teacher certification programs.

GRADE REQUIREMENTS: A minimum 2.00 grade point average for all college work, a minimum 2.00 grade point average for work taken at Angelo State, and a minimum 2.00 grade point average in the student's academic major, and a 2.00 grade point average in the major field in residence. All degree programs leading to teacher certification require a 2.50 overall grade point average and a 2.50 grade point average with no grade lower than a *C* in each of the following areas: first teaching field (major), additional teaching field(s), interdisciplinary major (including academic specialization area), and professional education (including student teaching).

RESIDENCE: Overall a minimum of 33 semester hours in residence, including 24 semester hours of advanced work. Included are 12 advanced semester hours in residence in the single discipline academic major or first teaching field, 18 advanced semester hours in residence in the interdisciplinary academic major (six in the academic specialization), and six advanced semester hours in residence in the single area supporting concentration or 12 to 18 advanced semester hours in residence in the multiple area supporting concentration, depending upon the number of fields represented in the program. The second teaching field requires nine advanced semester hours in residence.

Students seeking teacher certification are expected to complete student teaching in residence at Angelo State University.

TOTAL HOURS: A minimum of 130 semester hours.

Requirements for the Bachelor of Science in Nursing Degree

A student who is seeking the Bachelor of Science in Nursing (BSN) degree must be a registered nurse who has a valid license to practice in the United States and who has an Associate in Applied Science degree or the equivalent.

Core Curriculum Requirements

COMMUNICATION: The student may satisfy oral communication competency requirement by satisfactory completing Communication 2301.

COMPUTER LITERACY: The student must complete one of the following courses: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, or University Studies 2323.

ENGLISH: English 1301, 1302, and three semester hours of sophomore literature taught in the Department of English. Normally six semester hours would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

GOVERNMENT: Six semester hours of federal and state government: Government 2301 and 2302.

HISTORY: Six semester hours of American history: History 1301 and 1302.

MATHEMATICS: Complete one of the following courses: Math 1302, 1303, 1311, 1312, 1321, 1332, 2331, or 2332.

NATURAL SCIENCE: Eight semester hours of laboratory science courses from the following disciplines: biology, chemistry, geology, physical science, and physics. Students may take the laboratory science courses in one or more disciplines. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

PHYSICAL ACTIVITY: Complete a one-semester hour physical activity course. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

SOCIAL SCIENCE: Complete a three-semester-hour, lower-division course in economics, geography, psychology, or sociology. Normally this requirement would be completed by the student in fulfilling the requirements for the Associate in Applied Science degree.

VISUAL and PERFORMING ARTS: Complete one three-semester-hour, lower-division course in art, drama, or music.

Bachelor of Science in Nursing Degree Specific Requirements*

NATURAL SCIENCE: Three semester credit hours of pathophysiology.

MATHEMATICS: Three semester credit hours of statistics.

* Unless already taken as part of the Associate Nursing degree, the following courses are required: eight sch of anatomy and physiology, four sch of microbiology, four sch of chemistry, three sch of sociology, three sch of introductory psychology, and three sch of developmental psychology.

Academic Major

A minimum of 31 semester hours of nursing course work.

Other Requirements

ADVANCED HOURS: A minimum of 34 semester hours (junior and senior level courses).

ELECTIVE: Three semester hours.

GRADE REQUIREMENTS: A grade of C or above in each nursing course and a minimum 2.00 overall grade point average at the completion of each semester in order to register for the next nursing course. A minimum 2.00 overall grade point average for all college work and a minimum 2.00 grade point average for all work taken at Angelo State University in order to graduate.

RESIDENCE: A minimum of 33 semester hours in residence, including 24 semester hours of advanced work. Included are 20 advanced semester hours in nursing courses in residence.

TOTAL HOURS: A minimum of 64 semester hours.

Requirements for the Associate in Applied Science Degree (Nursing)

Core Curriculum Requirements

ENGLISH: English 1301 and one sophomore literature from the Department of English.

MATHEMATICS: Complete one of the following; 1302 or 1311.

NATURAL SCIENCE: One semester each of human anatomy and human physiology.

PHYSICAL ACTIVITY: Complete a one-semester-hour physical activity course.

SOCIAL SCIENCE: Three semester hours of sociology.

Associate in Applied Science Degree Specific Requirements

BEHAVIORAL SCIENCE: Three semester hours of introductory psychology and three-semester-hours of developmental psychology.

NATURAL SCIENCE: One semester of chemistry and one semester of microbiology.

Academic Major

Thirty-four semester hours of nursing course work, of which 17 hours are freshman and 17 are sophomore.

Other Requirements

RESIDENCE: A minimum of 30 semester hours, 17 of which must be nursing courses, must be completed in residence.

TOTAL HOURS: A minimum of 69 semester hours.

GRADE REQUIREMENTS: A minimum of a *C* in each nursing course, a minimum of a 2.00 grade point average (*C* average) on all work taken, and a 2.00 grade point average (*C* average) on all work taken at this institution.

DEPARTMENTAL REQUIREMENTS: See curriculum requirements for the Nursing Department.

STATE REQUIREMENT: Must pass all sections of the "Certification Form" of the Texas Academic Skills Program (TASP) test.

Degree Plan

The student must report to the Head of the Nursing Department during the first semester of the sophomore year to request a degree plan.

ACADEMIC SERVICES

EDUCATIONAL OPPORTUNITY SERVICES

The Office of Educational Opportunity Services was created to increase the number of first generation and other underrepresented students enrolling in and graduating from Angelo State University. To accomplish this objective, programs and services are available to help meet the academic, cultural, and social needs of students. The office operates on the premise that knowledge, awareness and encouragement empower students and enhance their opportunity for academic success.

The office serves as a resource and advisory office for students and works cooperatively with other University offices to assure students are aware of available services. Assistance and referrals are provided in the following areas: admissions and academic advising, counseling, cultural diversity and awareness activities, financial aid programs and application process, internship and employment information, leadership opportunities and activity information, scholarship information, and tutoring and instructional support services.

Students experiencing difficulties or needing assistance are encouraged to call (942-2399) or visit the Office of Educational Opportunity Services located in Room 101 in the Hardeman Building.

INFORMATION TECHNOLOGY

Expanded access to information through an enhanced technology infrastructure provides an array of services for students at Angelo State University. Electronic access to services allow students to register for classes, check grades, pay tuition and update their demographic information, just to name a few. Electronic mail, chat services, online testing technologies and web enabled classroom management services are facilitating new ways of learning and making student and faculty interaction more convenient and flexible than ever before.

The Internet is a diverse and complex resource with great potential to enhance the educational experience. The Angelo State University web site (www.angelo.edu) is designed for distribution of information about the University, its programs, and its activities to the world. You can tour the campus, meet the President, review the University calendar and current course offerings, submit applications, read the Ram Page (school newspaper), review information regarding student organizations, register for classes, check grades, and browse the library card catalogs from any location in the world using Angelo State University Web services.

Angelo State University utilizes a high-speed switched network infrastructure to provide network resources and enhance the learning environment for students. With seven campus microcomputer laboratories, approximately 300 modern personal computers are available to Angelo State University students with access to over 200 applications, email, and a personalized storage area. Student lab assistants are on duty at all times to assist students with software and hardware questions. A technology help desk is provided to the Angelo State University community (on-campus and off-campus) to assist with technology questions and requests. Angelo State University also utilizes over 150 computers in specialized technology teaching environments that enhance the learning and teaching experience. Angelo State University's two-way interactive distance learning facility provides connectivity to the State of Texas video network, Education Service Center Region XV and the surrounding K-12 school districts for the reception and delivery of

college-level classes and statewide collaboration efforts. A majority of the on-campus residence halls have access to the campus network and resources through connections provided in the resident's room. Dialup services extend access to network resources for off-campus students. A high-speed, statewide network provides dedicated Internet access to the entire university community.

As part of our partnership with the West Texas Disaster Recovery and Operations Center (WTDROC), Angelo State University has access to state-of-the-art mainframe hardware, software, and administrative information services. All Angelo State University administrative applications, including student records, fiscal and accounting, payroll and personnel, library services, financial aid management, and alumni development, are processed at the WTDROC.

Angelo State University continues its commitment to provide students access to technology and electronic resources needed to enhance the teaching and learning environment.

LANGUAGE LEARNING CENTER

The Language Learning Center, staffed by specially trained graduate students and peer tutors, is an academic support service for all Angelo State University students. In operation since 1986, the Center provides one-on-one tutorials in reading and writing complemented by computer-assisted instruction. Over 20 computer programs are available to improve critical reading skills, develop writing competency, and increase grammar proficiency. Additionally, the Center provides assistance for students taking the Texas Academic Skills Program Test (TASP). The Center is located in Room 003 of the Porter Henderson Library.

MATHEMATICS LABS

The Mathematics Department operates a general mathematics tutoring laboratory available for students enrolled in all mathematics classes through calculus and a developmental laboratory for students enrolled in developmental mathematics classes. Both labs are staffed by qualified departmental assistants. The developmental lab is supervised by faculty who teach developmental mathematics classes.

PORTER HENDERSON LIBRARY

The Porter Henderson Library at Angelo State University possesses an array of facilities to support the various degree programs offered by the University. The total library holdings surpass 1,400,000 items in a variety of formats, comprising a collection which compares favorably with the national average for library holdings in colleges and universities offering master's degrees. The holdings include numerous materials received through the Library's designation as a depository for United States government documents and Texas State government documents; an important reference collection; a large selection of journals and periodicals; significant quantities of microform materials; research collections available in the West Texas Collection; and tapes, videos, CD-ROMs, and other audio-visual materials. The Library provides a wide variety of electronic data bases and on-line services which increase the access to information.

The Porter Henderson Library contains 80,000 square feet of space. Library facilities include over 300 study carrels conducive to efficient study and research, large reading and reference rooms, open stacks, a media center, and a microform reading area. One of the campus microcomputer labs is located on the second floor of the Library. Through the Library's Interlibrary Loan service and cooperative agreements with other libraries, students and faculty may request additional resources for their personal research and classroom assignments.



INVENTORY OF ACADEMIC PROGRAMS

General Programs

I. GRADUATE

1. Majors

Accounting	M.B.A.	English	
Animal Science	M.S.	Creative Thesis Option	M.A.
Biology	M.S.	Government	
Business		International Studies	M.A.
Management	M.B.A.	Public Administration	M.P.A.
Communication	M.A.	History	M.A.
Education		Interdisciplinary Studies	M.A., M.S.
Curriculum and Instruction		Kinesiology	M.S.
Elementary Education	M.A.	Nursing -	
Instructional Technology	M.A.	Medical/Surgical	M.S.N.
Reading	M.A.	Physical Therapy	M.P.T.
Secondary Education	M.A.	Psychology	
Special Education	M.A.	Counseling Psychology	M.S.
Educational Diagnostics	M.Ed.	General Psychology	M.S.
Guidance and Counseling	M.Ed.	Industrial Organizational	
Reading Specialist	M.Ed.	Psychology	M.S.
School Administration	M.Ed.		

2. Dual Degree Program

Accounting	
Integrated Program	B.B.A./M.B.A.

II. UNDERGRADUATE

1. Baccalaureate Degree Programs

A. Majors

Accounting	B.B.A.	Government	B.A.
Animal Science	B.S.	Criminal Justice	
Art	B.A.	Option	B.A.
Biochemistry	B.S.	History	B.A.
Biology	B.S.	Interdisciplinary	
Business	B.B.A.	Child Development	
International Option		and Learning	B.S.*
Management Information		Journalism	B.A.
System	B.B.A.	Kinesiology	B.S.
Chemistry	B.S.	Management	B.B.A.
Communication	B.A.	Marketing	B.B.A.
Computer Science	B.B.A.	Mathematics	B.A., B.S.
Drama	B.A.	Medical Technology	B.S.
English	B.A.	Music	B.A., B.M.
Finance	B.B.A.	Nursing	A.A.S., B.S.N.
Financial Planning		Physics	B.S.
Option		Physics, Applied	B.S.
Real Estate Option	B.B.A.	Psychology	B.A., B.S.
French	B.A.	Sociology	B.A., B.S.
General Studies	B.G.S.	Spanish	B.A.
German	B.A.	Studio Art	B.F.A.

B. Supporting Concentration

Supporting concentrations for the B.A. and B.S. degrees may be chosen from the disciplines listed in the academic major category with the exception of applied physics, biochemistry, interdisciplinary child development and learning, medical technology, and nursing.

The following may also be selected as a single area supporting concentration.

Criminal Justice

Ethnic Studies

The following may be used as part of a multiple area supporting concentration only.

Aerospace Studies

Management Information Systems

Geography

Physical Science

Linguistics

2. Two-Year Programs

A. The Associate in Applied Science (A.A.S.) in Nursing Degree

B. Non-Degree Programs

Pre-Engineering

Preveterinary Medicine

Pre-Pharmacy

3. Courses Only

Astronomy

Russian

Philosophy

University Studies

Teacher Certification Programs

I. GRADUATE PROGRAMS

1. Educational Diagnostician

2. Reading Specialist

3. School Administration

Principal

4. School Counselor

5. Other Certification Programs

Master Reading Teacher

Superintendent

II. UNDERGRADUATE PROGRAMS**1. Elementary Teacher Certification****A. Academic Specializations:**

Art	History
Biology	Kinesiology
Communication	Life-Earth Science
Drama	Mathematics
English	Music
French	Physical Science
Generic Special	Reading
Education	Social Studies
German	Spanish

B. English as a Second Language Endorsement**C. Early Childhood Endorsement****D. Interdisciplinary Major (Program offered only for teacher certification at the elementary level)**

Interdisciplinary Child Development and Learning

2. Secondary Teacher Certification (by Teaching Fields)

Art	German
Biology	Government
Chemistry	History
Communication	Journalism
Computer Science	Kinesiology
Drama	Life-Earth Science
English	Mathematics
French	Physical Science
Generic Special	Physics
Education	Social Studies
	Spanish

3. All-Level Teacher Certification

Music

ACADEMIC ORGANIZATION

College of Business and Professional Studies

Department of Accounting, Economics, and Finance
Department of Aerospace Studies
Department of Business Administration (Business, Management, and Marketing)
Department of Computer Science
Department of Kinesiology

College of Liberal and Fine Arts

Department of Art and Music
Department of Communications, Drama, and Journalism
Department of English
Department of Government (including Criminal Justice and Philosophy)
Department of History (including Geography)
Department of Modern Languages (French, German, Spanish, Linguistics, and Russian)
Department of Psychology and Sociology

College of Sciences

Department of Agriculture
Department of Biology
Department of Chemistry and Biochemistry
Department of Mathematics
Department of Nursing
Department of Physical Therapy
Department of Physics (including Astronomy, Geology, and Physical Science)

School of Education

Graduate School

College of Business and Professional Studies

Department of Accounting, Economics, and Finance
Department of Business Administration
Department of Kinesiology

College of Liberal and Fine Arts

Department of Communications, Drama, and Journalism
Department of English
Department of Government
Department of History
Department of Modern Languages
Department of Psychology and Sociology

College of Sciences

Department of Agriculture
Department of Biology
Department of Chemistry and Biochemistry
Department of Nursing
Department of Physical Therapy

School of Education

THE COLLEGE OF BUSINESS AND PROFESSIONAL STUDIES

Robert K. Hegglund, Ph.D., Dean

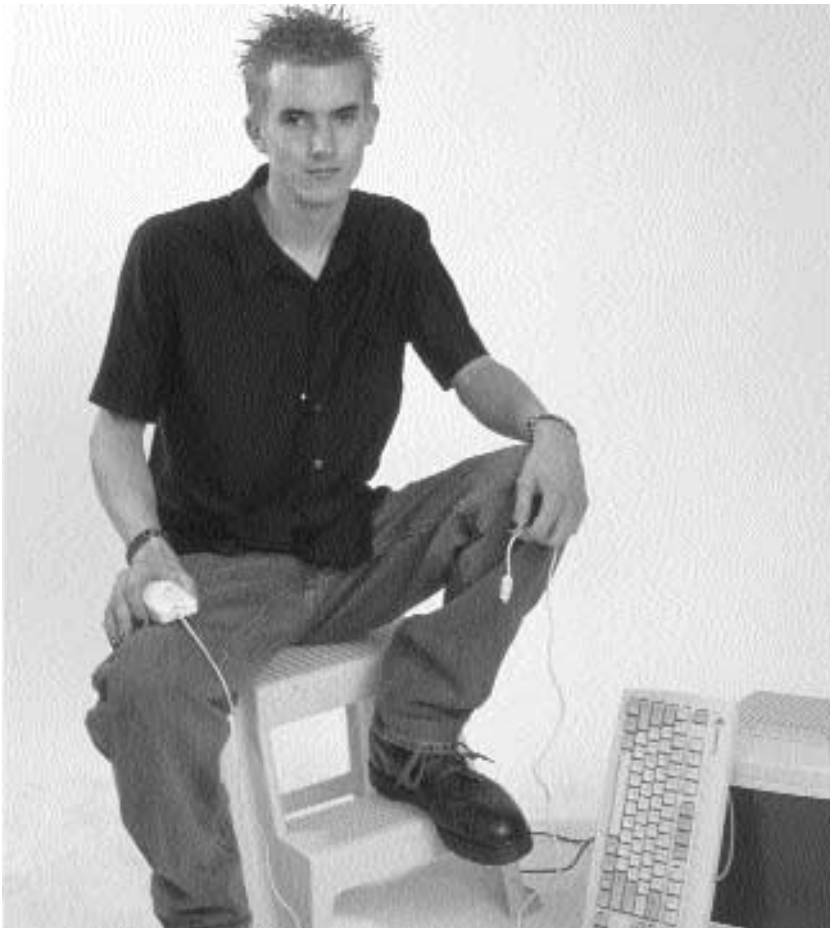
Department of Accounting, Economics, and Finance

Department of Aerospace Studies

Department of Business Administration
(Business, Management, and Marketing)

Department of Computer Science

Department of Kinesiology



DEPARTMENT OF ACCOUNTING, ECONOMICS, AND FINANCE

Professor and Head: Norman A. Sunderman

Professors: Bankston, Buerger, Dane, Harlow

Associate Professors: Lewis, Maddox

Assistant Professors: Kara, McKinney, Ranganathan

Instructors: Fender, McGaughey, Owens

Bachelor of Business Administration

(Accounting major--130 hours)

Semester
Hours

ACADEMIC MAJOR

Accounting 2301, 2302, 3303, 3304, 3305, 3331, 3361, 4303, 4311, and one advanced accounting course.....	30
Business Administration 1301, 2331, 3345, 4303.....	12
Finance 2323, 3361	6
Management 3301, 3305	6
Marketing 3321	3

OTHER REQUIREMENTS

Communication 2301.....	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division.....	3

SUPPORTING CONCENTRATION

(optional)	0
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	

ELECTIVES

Electives	12
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	

FREE ELECTIVES

Free Electives.....	9
---------------------	---

Students interested in taking the C.P.A. examination should consider taking ACC 4312, Advanced Accounting II; ACC 4362, Advanced Tax Accounting; and BA 3346, Business Law. All students are encouraged to discuss their plans with an advisor.

INTEGRATED BBA/MBA PROGRAM IN ACCOUNTING

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3303, 3304, 3305, 3331, 3361, 4303, 4311, 4312, 6303, 6313, 6317, 6361, 6362	45
Business Administration 2331, 3345, 3346, 6301	12
Economics 6311	3
Finance 2323, 3361, 6301	9
Management 3301, 6311, 6312, 6313	12
Marketing 3321, 6301	6
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
(optional)	0
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
ELECTIVES	
Electives	12
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
FREE ELECTIVES	
Free Electives	3

Students interested in the Integrated BBA/MBA Program in Accounting will be required to complete a minimum of 154 semester credit hours of degree credit. Of this total, 118 semester credit hours will be at the undergraduate level and 36 hours will be at the graduate level. A unique feature of this five-year program will be the requirement that the student be admitted to the Graduate Program at the beginning of his or her senior year. This will enable the student to take graduate level courses during the fall and/or spring semester of the student's senior year. Yet another unique feature of this program will be the awarding of the BBA and MBA degrees simultaneously at the completion of the program. Therefore, a student will not be awarded the BBA in Accounting after completing 118 semester credit hours at the undergraduate level and the MBA in Accounting upon completion of 36 graduate hours at the graduate level. Should a student decide not to finish the MBA portion of the program, then this student would be required to complete all of the course requirements for the BBA in Accounting as a separate degree as specified in the 2001-2003 *Angelo State University Bulletin*. Refer to the Graduate section of this *Bulletin* for more information.

COURSES IN ACCOUNTING (ACC)

2301/2301 Principles of Accounting I (3-0). Introduction to financial accounting including the accounting cycle and financial statements for service and merchandising firms operated as sole proprietorships or partnerships.

Prerequisite: Mathematics 1311.

2302/2302 Principles of Accounting II (3-0). Financial accounting for corporations and manufacturing firms. Introduction to management accounting methods.

Prerequisite: Accounting 2301.

3301 Management Accounting (3-0). Accounting information as an aid to management decision making; profit planning and control; budgeting, quantitative techniques, and internal accounting reports. May not be taken by accounting majors to satisfy degree requirements in accounting.

Prerequisite: Accounting 2302.

3303 Intermediate Accounting I (3-0). Financial reporting: conceptual framework and principles, determination of income, and classification and valuation of assets and liabilities.

Prerequisite: Accounting 2302.

3304 Intermediate Accounting II (3-0). Accounting for stockholders equity, earning per share, pensions, leases, income taxes, and other items. Preparation of the statement of cash flows.

Prerequisite: Accounting 3303.

3305 Accounting Information Systems (3-0). Analysis, design, and applications of accounting information systems with consideration of related internal control issues and management use of information.

Prerequisite: Accounting 3303 and Finance 2323.

3331 Cost Accounting (3-0). Accounting principles and procedures for product costing, control, and decision making with emphasis on the use of costs by management.

Prerequisite: Accounting 2302, Finance 2323.

3361 Income Tax Accounting (3-0). Current income tax law and tax accounting procedures, preparation of income tax returns for individuals.

Prerequisite: Accounting 2302.

4303 Auditing (3-0). Theory, practice, and procedures of auditing for public accountants and internal auditors; auditing standards and ethics; development of audit programs; and preparation of working papers and audit reports.

Prerequisite: Accounting 3304, Business Administration 2331, Finance 2323.

4311 Advanced Accounting I (3-0). Accounting for partnerships, branches, investments in equity securities, and business combinations. Preparation of consolidated financial statements.

Prerequisite: Accounting 3304.

4312 Advanced Accounting II (3-0). Accounting for state and local governments, colleges and universities, hospitals, voluntary health and welfare organizations, other non-profit organizations, multinational enterprises, and insolvency.

Prerequisite: Accounting 4311.

4362 Advanced Tax Accounting (3-0). Tax regulations applicable to partnerships, corporations, estates, gifts, and trusts.

Prerequisite: Accounting 3361.

4371 Accounting Internship. Participation in a part-time accounting position with a cooperating business or governmental accounting unit whose program has been approved by the Department of Accounting, Economics, and Finance. Written reports are required of both the student and the employing unit. The internship requires a minimum of 20 hours per week. May not be taken by accounting majors to satisfy accounting course degree requirements. This course will be offered only on a pass/fail basis.

Prerequisite: Senior accounting major who has completed at least 21 semester hours in accounting and consent of both the supervising professor and the department head.

4381 Special Topics (3-0). Selected topics in accounting. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students in accounting.

Prerequisite: Senior standing.

COURSES IN ECONOMICS (ECO)

2300 Economic Analysis (3-0). A one-semester introduction to microeconomics and macroeconomic principles. The course may not be taken to satisfy economics course requirements for the Bachelor of Business Administration degree or the Bachelor of Science degree in economics.

2301/2301 Principles of Economics I (3-0). Economic principles, aggregate income, output, and employment; money, fiscal and monetary policy.

2302/2302 Principles of Economics II (3-0). Product pricing, resource allocation, factor pricing, income distribution, and economic growth; contemporary problems such as foreign trade and agriculture.

3331 Comparative Economic Systems (3-0). This course is a study of various types of economic systems ranging from a free market economy to a centrally planned economy. This includes capitalism, socialism, communism, and modifications to these basic models.

Prerequisite: Economics 2300 or equivalent.

3360 Money and Banking (3-0). The monetary system and the role of money and capital markets; economic goals; monetary and fiscal policy; legal environment; depository institutions and the Federal Reserve, and nondepository institutions. (Credit may not be earned for this course and Finance 3360).

Prerequisite: Economics 2301.

*4307 International Economics (3-0). Introduction to international trade and finance. Centered on present day currency arrangements with consideration of recent and proposed reforms of the international financial system. Includes the principles that govern world trade and investments with discussion of the factors that determine the direction of trade, and policies that inhibit the free flow of trade.

Prerequisites: Economics 2301, 2302.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

Bachelor of Business Administration

(Finance major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Finance 2323, 3360, 3361, 3365, 4361, 4363, 4364, 4366, 4367, and two advanced courses from Accounting, Economics, Finance, Marketing	33
Accounting 2301, 2302, 3303, 3305	12
Business Administration 1301, 2331, 3345, 4303	12
Management 3301, 3305	6
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
(optional)	0
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
ELECTIVES	
Electives	12
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	

Bachelor of Business Administration
(Finance major with Financial Planning Option--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Finance 2323, 3360, 3361, 3362, 3364, 4363, 4347, and three advanced courses from: Finance, 3365, 4361, 4364, 4366, & 4367.....	30
Accounting 2301, 2302, 3303, 3305, 3361.....	15
Business Administration 1301, 2331, 3345, 4303.....	12
Management 3301, 3305.....	6
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301.....	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division.....	3
SUPPORTING CONCENTRATION	
(optional)	0
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	
ELECTIVES	
Electives	12
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	

Bachelor of Business Administration
(Finance major with Real Estate Option--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Finance 2323, 3361, 3371, 3372, 3373, 3374, 4371, 4372, and three advanced courses from Accounting, Economics, Finance, Marketing	33
Accounting 2301, 2302, 3305, and 3301, 3303, or 3331.....	12
Business Administration 1301, 2331, 3345, 4303.....	12
Management 3301, 3305.....	6
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301.....	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6

Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division.....	3

SUPPORTING CONCENTRATION

(optional)	0
------------------	---

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES

Electives	12
-----------------	----

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

COURSES IN FINANCE (FIN)

2323 Introduction to Business Computer Applications (3-0). Basic data processing techniques designed to familiarize the student with computer concepts and problem-solving techniques. Microcomputer programming and business applications of microcomputers including spreadsheet and generalized data base management package utilization.

3360 Money and Banking (3-0). The monetary system and the role of money and capital markets; economic goals; monetary and fiscal policy; legal environment; depository institutions and the Federal Reserve, and nondepository institutions. (Credit may not be earned for this course and Economics 3360).

Prerequisite: Economics 2301.

3361 Financial Management (3-0). Financial management of the firm; valuation of the firm; working capital policy; capital budgeting; cost of capital; and long-term financing.

Prerequisite: Accounting 2302.

3362 Personal Finance (3-0). Income and expenditure patterns; consumer protection and financial analysis of consumer problems; and personal money management.

3364 General Insurance (3-0). Theory of insurance and risk; types of insurance companies; contract terms and clauses; basic features of life, property, liability, and health insurance from a consumer's viewpoint.

Prerequisite: Junior standing.

3365 Corporate Financial Practices (3-0). Capital markets and valuation of the firm; capital budgeting; cost of capital; and leverage.

Prerequisite: Finance 3361.

3371 Principles of Real Estate Practice (3-0). A study of the nature and description of real estate, rights and interests in land, forms of ownership, transfer of title, recordation, abstracts and title insurance, mortgage theory and law lending practices, real estate appraisal, owner-broker relationship, law of agency, licensing laws and professional affiliation, fair housing laws, real estate investment, real estate and the economy.

Prerequisite: Junior standing.

3372 Real Estate Law (3-0). A study of real estate law and procedures involving real property acquisition, ownership and transfer, listing agreements, sales contracts, escrow accounts, law of agency, deeds, liens, mortgages, estates in land, homestead property, wills recording and title assurance, water rights, principles of oil and gas, property taxes, and forms of co-ownership.

Prerequisite: Finance 3371.

3373 Residential Real Estate Appraisal (3-0). A study of real estate appraisal as it relates to estimating the current market value of residential real property including the following appraisal topics: the appraisal profession, including Uniform Standards of Professional Appraisal Practice, the real estate market place, steps in the appraisal process, data collection, residential construction, the market, cost and income approaches to valuation, and a residential appraisal project.

Prerequisite: Finance 3371.

3374 Commercial Real Estate Appraisal (3-0). A study of real estate appraisal as it relates to income producing property. Includes compound interest and discounting, determining the rate of capitalization, income capitalization methods, residual techniques of capitalization, appraising leasehold and leased fee estates, mortgage-equity appraising, and nature and importance of value.

Prerequisite: Finance 3371.

4347 Estate Planning (3-0). Various aspects of estate and gift tax planning-including the nature, valuation, transfer, administration, and taxation of property-are discussed. Particular emphasis is given to a basic understanding of the unified estate and gift tax system. This course covers gratuitous transfers of property outright or with trusts, wills, and powers of appointment. It also covers federal estate and gift taxation, the marital deduction, and various estate planning devices used in the estate planning process. In addition, the client interview, fact-finding, ethical standards, and the development of appropriate personal estate plans are discussed.

Prerequisite: Junior standing.

4361 Financial Institution Administration (3-0). The role of financial institutions in the economy; depository and nondepository financial institutions; legal environment; organizational structure; asset/liability management; and international aspects.

Prerequisite: Finance 3360 or ACC 2302.

4363 Investments (3-0). Basic principles of investment; types of investment media; sources of information; characteristics of stocks and bonds; selection of securities; construction of an investment portfolio; and investment companies.

Prerequisite: Junior standing.

4364 Security Analysis and Portfolio Management (3-0). Investment objectives; risk and return; analysis and selection of investment securities, timing; portfolio theory and applications; and evaluation of portfolio performance.

Prerequisites: Finance 2323, 4363.

4366 Financial Applications for the Microcomputer (3-0). Design and use of financial models for working capital management; cash flow projections; ratio analysis; capital budgeting; security valuation and selection; portfolio management; and real estate investment analysis.

Prerequisite: Finance 2323 or equivalent, Finance 3361.

*4367 International Finance (3-0). An examination of the international monetary system from World War II to present, transition from fixed to floating exchange rates. Emphasis given to interest arbitrage, spot and forward exchange rates, foreign exchange exposure and risk, reducing foreign exchange risk, capital budgeting and import/export financing in the study of multinational finance.

Prerequisite: Finance 3361.

4371 Real Estate Finance (3-0). A study of sources of mortgage funds for all type loans, to include FHA, VA, and Conventional loans from individuals, savings and loan associations, commercial banks, life insurance companies, and mortgage bankers. Loan procedures for residential, commercial, and industrial properties; legal instruments and closing of loans.

Prerequisite: Finance 3371.

4372 Real Estate Investment Feasibility Analysis (3-0). Provides basic knowledge, techniques, and tools to analyze and determine most probable rate of return from real estate investments. To demonstrate all benefits of real estate ownership, as well as disadvantages. Includes depreciation, tax aspects, income-expense analysis and control, effects of national economic changes on the value of real estate, modes of ownership, present value concepts, risk analysis, computer analysis programs in current use.

Prerequisite: Finance 3371.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in finance.

Prerequisite: Junior standing.

* May be taken for graduate credit with permission of the Dean of the Graduate School.



DEPARTMENT OF AEROSPACE STUDIES

Air Force Reserve Officer Training Corps

Professor and Head: David G. Bell

Assistant Professors: Peña, Reyes, Ruppel

The Air Force ROTC program provides professional preparation for students desiring to serve as officers in the United States Air Force. The program offers information on Air Force career opportunities and the role of the military in the American society. Courses are normally taken for academic credit as part of a student's electives. Angelo State University offers both the four-year and the two-year AFROTC programs. Entering freshmen and sophomores may register for Aerospace Studies courses at the same time and in the same manner as they enroll in their other college courses. Students desiring entry into the two-year program must contact the Professor of Aerospace Studies the year before their planned entry into the program.

The General Military Course—GMC (Aerospace Studies Leadership Laboratories 1111, 1113, 2111, 2113 and lectures 1112, 1114, 2112, 2114) is a two-year course taken during the freshman and sophomore years, with one hour of academic instruction and three hours of Leadership Laboratory a week which includes physical fitness training (dates and times announced during the semester). Membership in the GMC does not confer any military status or commitment upon the cadets but affords them the opportunity to learn about the Air Force and its role in the American society.

The Professional Officer Course—POC (Aerospace Studies Leadership Laboratories 3111, 3113, 4111, 4113 and lectures 3312, 3314, 4312, 4314) is a two-year course normally taken during the student's junior and senior years. The class entails three hours of academic instruction and three hours of Leadership Laboratory a week which includes physical fitness training (dates and times announced during the semester). Entrance into the POC is limited to qualified students desiring to compete for Air Force commissions. Four-year students must have successfully completed the GMC and a four-week field training program, while two-year students must have successfully completed a five-week field training program. Each student selected for the POC is enlisted as a member of the Air Force Reserve and is provided a tax-free subsistence of \$200 per month. The cadet who completes the POC is, upon graduation, commissioned a lieutenant in the United States Air Force.

OTHER ACTIVITIES: Many other activities, such as intramural sports, banquets, base visitations, drill meets, tours, and community projects are planned throughout the semester. Participation in some of these events will be required.

MR. AND MRS. ROBERT G. CARR AIR FORCE ROTC SCHOLARSHIPS

Approximately 100 AFROTC scholarships up to \$1,500 per year are awarded annually to Angelo State University AFROTC students. These awards have been provided by the late Mr. and Mrs. Robert G. Carr of San Angelo to help attract highly qualified students into the AFROTC program and promote academic excellence. All students who are interested in enrolling in the ROTC program are invited to apply for a Carr Air Force ROTC Scholarship which carries no military commitment but allows a student the opportunity to participate in the Air Force officer candidate program.

Individuals should refer to the section on Student Financial Aid in this *Bulletin* for additional information regarding the Carr Air Force ROTC Scholarships.

AIR FORCE SCHOLARSHIPS FOR RESERVE OFFICER TRAINING CORPS

Four-year scholarships are available on a nationwide basis for entering freshmen. Application for these highly competitive scholarships must be accomplished prior to December 1 of the senior year in high school.

Also, ROTC scholarships are available for three years for students already enrolled in the ROTC program. Students majoring in the technical areas are much more competitive for these scholarships which pay full tuition, fees, and a book allowance, plus a tax-free subsistence of \$200 per month. Students are encouraged to contact the Professor of Aerospace Studies for additional information. Students desiring to major in engineering may begin their studies at Angelo State University and transfer this scholarship to an engineering school approved by ROTC.

ROTC ACTIVITIES

ARNOLD AIR SOCIETY, Robert G. Carr Squadron (AAS): A nationwide professional honorary service organization of Air Force ROTC cadets dedicated toward promoting strong AFROTC-University relationships. The AAS participates in a variety of service functions for the University and the community.

THE RAM GUARD is comprised of AFROTC students dedicated to the art of precision drill who participate in honor guard formations on campus and in the community.

COURSES IN AEROSPACE STUDIES (A S)

1111, 1113 Leadership Laboratory (0-3). Laboratory experience to accompany Aerospace Studies 1112 and 1114. Students will gain a practical knowledge of customs and courtesies, drill and ceremonies, the environment of an Air Force base and career opportunities available to commissioned officers. Physical fitness activities are also an integral part of the lab experience (dates and times are announced during the semester). Leadership Lab is offered on a pass/fail basis.

1112 The Air Force Today (1-0). Introduction to the Air Force and Air Force ROTC. Customs and courtesies, dress and grooming standards, officership, officer opportunities and benefits will be discussed. Group leadership problem-solving and basic communicative skills will be demonstrated. (Offered in fall only)

1114 The Air Force Today (1-0). Mission and organization of the Air Force. The transition from cadet to officer is discussed, along with a survey of Air Force leaders and key events in U.S. history. Group leadership problem-solving and basic communicative skills will be demonstrated. (Offered in spring only)

2111, 2113 Leadership Laboratory (0-3). Laboratory experience to accompany Aerospace Studies 2112 and 2114. This experience can be classified as the initial leadership experience prior to Field Training. Activities include: emphasis on customs and courtesies, drill and ceremonies, and giving military commands. Instructing, correcting and evaluating the preceding skills are also part of the training. Physical fitness activities are also an integral part of the lab experience (dates and times are announced during the semester). Leadership Lab is offered on a pass/fail basis.

2112 Air Force Heritage (1-0). Discussion of Air Force leaders and leadership styles. Topics to be discussed include an overview of Air Force history, evolution of the Air Force and important air campaigns. Group leadership problem-solving and basic communicative skills will be demonstrated. (Offered in fall only)

2114 Air Force Heritage (1-0). Discussion of basic Air Force leadership concepts and professional values. Students are exposed to Air Force ideas on total quality management and professional ethics and values. Group leadership problem-solving and basic communicative skills will be demonstrated. (Offered in spring only)

3111, 3113 Leadership Laboratory (0-3). Laboratory experience to supplement Aerospace Studies 3312 and 3314. This experience begins the leadership and management experience for Air Force officer candidates. Cadets are intimately involved in the planning, organizing, coordinating, directing and controlling of all cadet corps operations. Cadets prepare briefings and presentations to enhance the laboratory period and motivate other cadets to higher levels of performance. Physical fitness activities are also an integral part of the lab experience (dates and times are announced during the semester). Leadership Lab is offered on a pass/fail basis.

3312 Air Force Leadership Studies* (3-0). Theory and application of leadership and management principles as applied to Air Force situations in the context of a junior officer. Professional knowledge and fundamentals are examined through the use of case studies to reinforce concepts. Students are introduced to Air Force total quality management concepts. Individual briefings and written reports are expected. (Offered in fall only)

3314 Air Force Leadership Studies* (3-0). Practical application of principles and tools of total quality management to improving selected processes. Discussion of officer development in terms of the profession, subordinate leadership, ethical conduct, and core values. Individual and group presentations and written reports are expected. (Offered in spring only)

4111, 4113 Leadership Laboratory (0-3). Laboratory experience to supplement Aerospace Studies 4312 and 4314. This experience comprises the advanced leadership and management experience for Air Force officer candidates. Cadets are intimately involved in the planning, organizing, coordinating, directing, and controlling of all cadet corps operations. Cadets prepare briefings and presentations to enhance the laboratory period and motivate the performance of other cadets. Physical fitness activities are also an integral part of the lab experience (dates and times are announced during the semester). Leadership Lab is offered on a pass/fail basis.

4312 Air Force and National Security (3-0). Examination of the Air Force and the Armed Forces as an element of national security. Special topics of interest focus on national security processes, regional studies, advanced leadership ethics, Air Force doctrine and joint military doctrine. Individual and group presentations, written reports and student-led seminars are expected. (Offered in fall only)

4314 Air Force Professional Topics (3-0). Examination of specific Air Force professional topics to prepare the individual for active duty. Special topics of interest include military justice, war fighting principles, transition to active duty, the military as a profession and current issues affecting the military profession. Individual and group presentations, written reports and student-led seminars are expected. (Offered in spring only)

* Title change: subject to action by the Board of Regents and Texas Higher Education Coordinating Board.

FIELD TRAINING. Air Force ROTC Field Training is offered during the summer months at selected Air Force bases throughout the United States. Students in the four-year program participate in four weeks of Field Training, usually between their sophomore and junior years. Students applying for entry into the two-year program participate in five weeks of Field Training, usually the summer after enrollment in the Professional Officer Course. The major areas of study in the Field Training program include junior officer training, aircraft and aircrew orientation, career orientation, survival training, base functions and Air Force environment, and physical training. This five-week Field Training program also includes the academic and leadership training normally received in the General Military Course.



DEPARTMENT OF BUSINESS ADMINISTRATION

Business, Management, Marketing

Professor and Head: Tom Badgett

Professors: Alexander, Chawla, Diminnie, Goode, Heggglund, Yokum

Associate Professors: Tomlin, Wilkins

Assistant Professor: Fisher

Instructors: Clark, Miller, Richardson

Lecturers: Dusek, Erickson

Bachelor of Business Administration

(General Business major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3332, 4303 and one advanced course	18
Business electives: any combination of three advanced courses from: accounting, business administration, computer science, economics, finance, management, management information systems, marketing.....	9
Economics one advanced course	3
Finance 2323, 3361, and one advanced course	9
Management 3301, 3305, 3307	9
Management Information Systems 3343	3
Marketing 3321 and 3322, 4325, or 4326	6
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	2
Psychology.....	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SUPPORTING CONCENTRATION	
(optional)	0
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	
ELECTIVES	
Electives	9
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	

The above plan meets all core curriculum and general BBA requirements.

Bachelor of Business Administration
(General Business major with International Option--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3311, 3332, 4303	18
Business electives: any combination of two advanced courses from: accounting, business administration, economics, finance, management, management information systems, marketing	6
Economics 3331, 4307	6
Finance 2323, 3361, 4367	9
Management 3301, 3305	6
Management Information Systems 3343	3
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
Geography, Government and/or History: (two courses: Geography 3303, Government 3351, 4331, 4351, 4353, 4354, 4381, History 4333, 4341, 4351, 4355, 4381	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Modern Language 2311 (Spanish 2310 or 2311), 2312*	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Psychology	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION (optional)	0
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
ELECTIVES Electives	3
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
The above plan meets all core curriculum and general BBA requirements.	

* Refer to the BBA degree requirements for modern language on page 154.

COURSES IN BUSINESS ADMINISTRATION (B A)

1301/1301 Introduction to Business (3-0). Fundamental principles of business organization, ownership, operation, and control. Helpful to beginning students in selecting a major program of study.

2331 Statistical Analysis for Business and Economics (3-0). Introduction to statistical analysis including such topics as: descriptive statistics, probability distributions, sampling, statistical inference, correlation and regression analysis, and time series and index numbers. (Formerly Business Administration 4331.)

Prerequisite: Mathematics 1312.

2345/2301 Legal and Social Environment of Business (3-0). An overview of the legal and social environment of business. Topics include social responsibility, ethics, the judicial system and court procedure, business torts and crimes, contracts, bailments, forms of business structure, bankruptcy, securities regulation, antitrust, consumer protection, personnel and labor law, international law and other relevant legal and social topics.

3309 Entrepreneurship (3-0). A course designed to provide students with an understanding of the entrepreneurial process. To include models for creating a business; developing and using business, financing and marketing plans; and managing the new venture during early operation and expansion. Business plan software will be utilized to prepare a business plan for a new expanding business. (Formerly Management 4309)

Prerequisites: Finance 2323 and either Management 3301 or Marketing 3321.

3311 International Business (3-0). International business environmental frameworks; trade and investment theories and institutions; multinational corporation policy, strategy, functional management, operations and concerns.

3332 Applied Research Methods (3-0). This course is an overview of the qualitative and quantitative research methods used in the field of business. A special emphasis will be given on the use of computer packages such as SAS and SPSS. The course is intended to cover research design, implementation, analyses, and communication of results.

3345 Business Law I (3-0). Legal rights and social forces that shape government, business, and society. Regulatory law, contracts, sales and commercial paper are covered.

3346 Business Law II (3-0). Legal issues related to the CPA. Includes the law of real and personal property, bailments, creditors rights and secured transactions, agency and employment, insurance, partnerships and corporations, bankruptcy, and securities regulations.

Prerequisite: Business Administration 3345.

4303 Business Strategy and Policy Formulation (3-0). A senior business capstone course concerned with the study and development of strategy for the overall organization. The course is interdisciplinary in nature, requiring students to apply knowledge and skills learned in previous courses to solve problems of an organization operating in its social, political, legal, ethical, international, and economic environment. As part of course requirements, students will be required to submit a portfolio which provides evidence over their ASU career that the student has developed competencies, beyond subject matter knowledge, in areas such as leadership, communications, decision-making, and creativity. Students will also be required to take an examination covering the common body of knowledge of the BBA degree.

Prerequisite: Senior standing, completing of all business core courses, and English 3352.

4311 Small Business Problem Solving (3-0). An advanced course involving consultation projects with local small businesses, under the auspices of the Small Business Institute. Students will use concepts, strategies, theories, and research techniques learned in previous classes to solve business, management, and marketing problems in small business organizations.

Prerequisites: Senior standing and Finance 3361.

4319 Forecasting and Planning (3-0). The course serves as a general course in forecasting methods. Techniques covered include smoothing, decomposition, regression, judgmental techniques, and new product forecasting. Comparison and selection of the appropriate techniques is addressed. Emphasis is placed on the interface between forecasting and the managerial functions of implementation and control. A combination of lectures, analytical exercises, problems, and computer exercises are used. Implementation of a forecast system in a small business is also utilized.

Prerequisites: BA 2331 or consent of instructor.

4371 Internship (0-3). The student will participate in a highly structured experience at the level of a manager trainee. A pass or fail grade will be determined through joint consultation of the student's employment supervisor and university supervisor. The student must have completed all 1000, 2000, and 3000 core courses and at least four additional courses in his or her major. Approval by the department head must be received prior to enrollment in this course.

Bachelor of Business Administration

(Management major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 4303, and one course from: BA 3332, 4319, or MIS 4344	15
Business electives: any combination of three advanced courses from: accounting, business administration, computer science, economics, finance, management, management information systems, marketing	9
Finance 2323, 3361	6
Management 3301, 3303, 3305, 3307, 4301	15
Management, Business Administration, or Management Information Systems (any combination of two advanced courses)	6
Management Information Systems 3343	3
Marketing 3321	3

OTHER REQUIREMENTS

Communication 2301.....	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	2
Psychology.....	3
Visual and Performing Arts (art, drama, music) lower division.....	3

SUPPORTING CONCENTRATION

(optional)	0
------------------	---

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES

Electives	9
-----------------	---

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

COURSES IN MANAGEMENT (MGT)

3301 Principles of Management (3-0). A study of the fundamental concepts of management, organizational theory, and organizational behavior. In addition to coverage of the traditional management functions of planning, organizing, directing, and controlling, coverage will be given to ethics, international management, human resources, and interpersonal communication. This course is the prerequisite for all other management courses.

Prerequisite: Junior standing.

3302 The History of Management Thought (3-0). A course designed to assist the student in understanding how the conscious application of the management process has evolved. The approach is primarily chronological and will progress from management in the early civilizations through the industrial revolution, the scientific management era, and the human relations era to the modern management era. Much of the emphasis in the course will be on the influence of the external environment on the development of management thought.

Prerequisite: Management 3301.

3303 Human Resource Management (3-0). Techniques and procedures of general personnel management; employer-employee relationships; recruitment, selection, placement, and training of employees; job analysis; wage plans and policies; transfer and promotion; employee health and safety; and employment services and fringe benefits.

Prerequisite: Management 3301.

3305 Operations and Production Management (3-0). A survey of operations management concepts, theory, and decision techniques. Topics include forecasting, linear programming, site selection, layout, project management, control of production, standards, materials management, scheduling, and quality control. Analysis and application of decision models to real-world problems.

Prerequisite: Business Administration 2331, Management 3301.

3307 Communications in Business and Industry (3-0). This course is intended to improve student communications and management skills. Emphasis will be given to the study and application of effective communications, both verbal and written. Students can expect to participate actively in communications exercises. Topics include interviewing, listening, interpersonal communications, conducting meetings, teambuilding, and writing. Attention will also be given to communications necessary for career planning.

Prerequisite: Management 3301, English 2352.

3313 Current Problems in Management (3-0). A study of selected current problems which affect and are affected by management in American business. Problems will include change in worker values, relations with governmental jurisdictions, efficiency, quality, and international competitiveness.

Prerequisite: Management 3301, Junior standing.

4301 Organizational Behavior (3-0). An experiential and theoretical approach to human behavior in an organizational setting, by analysis of individual, group, and organizational processes, with a goal of understanding, predicting, and improving the performance of organizational elements.

Prerequisite: Management 3301, English 3352.

4302 Ethics in Organizations (3-0). A course designed to: assist the student in the recognition of unresolved ethical issues likely to confront decision makers in business and other organizations; help the student become aware of some of the complexities involved in the application of moral reasoning to organizational decisions; and encourage the student to search for structural changes in business and other organizations in order to benefit society. This is a seminar and case study course, and substantial oral and written communication ability is required. The student would benefit if Philosophy 2311 were first completed.

Prerequisite: Management 3301, English 3352.

4305 Organizational Development (3-0). A study and understanding of the processes used to create a planned, systematic change in either a segment of, or in the total organization, the aim of which is to increase effectiveness and productivity. Included are factors of decision analysis, innovation, technology, environmental scanning, and organization structure.

Prerequisite: Management 3301.

4306 Applied Leadership (3-0). This course is designed to place students in real situations where they may practice leadership while studying and applying management theories involving leadership, motivation, group dynamics, and decision-making skills.

Prerequisite: Management 3301.

4381 Special Topics (3-0). Selected topics in management. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

4391 Research. A specialized course providing research opportunities for superior students majoring in a business discipline.

Prerequisite: Junior standing.

Bachelor of Business Administration
(General Business major with Management Information
Systems Option--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 4303, and 3332 or 4319	15
Business electives: any combination of two advanced courses from: accounting, business administration, computer science, economics, finance, management, management information systems, marketing	6
Finance 2323, 3361, 4366	9
Management 3301, 3303 or 4301, 3305, 3307 or 4306	12
Management Information Systems 3303, 3343, 4336, 4344	12
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Psychology	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
(optional)	0
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
ELECTIVES	
Electives	9
Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.	
The above plan meets all core curriculum and general BBA requirements.	

COURSES IN MANAGEMENT INFORMATION SYSTEMS (MIS)

3303 Network Application Development (3-0). This course will define and study client/server, networks, the internet, and multimedia. The nature of hypermedia and the challenge of designing effective hyperlearning materials will be discussed. The students will be provided with a multimedia toolbox and shown how to use it to create and publish multimedia applications. Discussions will include multimedia regulation, copyright, fair use, equity, cost, and universal access.

Prerequisites: Finance 2323 or equivalent.

3343 Management Information Systems (3-0). The course will provide a foundation in the theory and practical application of information systems within an organization. Managing, analyzing, designing, and implementing an MIS will be the focus of the course. Strategic value, methodologies, quality, decision making, modeling, re-engineering, software, hardware, and ethics will all be included.

Prerequisite: Finance 2323, Management 3301, and junior standing.

4336 Management and Designing of Networks (3-0). The course will provide a foundation in the theory and practical application of LAN design and implementation. How LANs can be connected to other LANs, MANs, wide-area networks (WANs), and larger mainframe computers will be presented. Students will be provided with an insight into emerging LAN/WAN technologies and their potential impact on the future of LAN/WANs. Topics covered in class will be demonstrated online using Novell NetWare, Windows NT, or another leading LAN operating system.

Prerequisite: MIS 3343 or instructor permission.

4344 Advanced Management Information Systems (3-0). A course intended to provide study and applications beyond the foundation course in MIS. Emphasis will be given to current technology and applications.

Prerequisite: MIS 3343 or instructor permission.

Bachelor of Business Administration

(Marketing major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 3332, 4303	15
Business electives: any combination of three advanced courses from:	
accounting, business administration, computer science, economics, finance, management, management information systems, marketing	9
Finance 2323, 3361	6
Management 3301, 3305	6
Management Information Systems 3343	3
Marketing 3321, 3322, 4325, 4326, (two other advanced marketing courses)	18
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311, 1312	6
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Psychology	3
Visual and Performing Arts (art, drama, music) lower division	3

SUPPORTING CONCENTRATION

(optional)0

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

ELECTIVES

Electives9

Must not include courses offered by the Business Administration or Accounting, Economics, and Finance Departments.

The above plan meets all core curriculum and general BBA requirements.

COURSES IN MARKETING (MKT)

3321 Marketing (3-0). Fundamentals of marketing in the modern economic system. This course is a prerequisite for all other marketing courses except Marketing 3322 which may be taken concurrently.

3322 Consumer Behavior (3-0). An integration of behavioral concepts in the analysis of consumer behavior and in marketing strategy formulation.

3323 Sales Management (3-0). Management of the personal selling function of firms; selection and training of sales personnel; performance evaluation; establishment of realistic sales goals; motivation of the sales force; coordination of personal selling with non-personal organization communications.

3325 Advertising Management (3-0). Communications theory related to market audience and group behavior; relationships of communications in the marketing mix and of advertising in the firm's communication mix; establishing advertising appropriations and budgets; campaign strategy; media analysis; and the evaluation of the communication effort of the firm.

3326 Retailing (3-0). A study of the many facets of retailing to include the development of retail strategies, retail consumer behavior, product considerations, store location and layout, merchandise management, the buying function, promotional strategy, personal selling, management of human resources, controlling the retail operation, and consumer services.

4324 Physical Distribution Management (3-0). The components of modern day physical distribution systems. Facility location, transportation, warehousing, inventory control, communications, and contemporary modifications of each. Total system analysis is introduced with the objective of final system design.

Prerequisites: Marketing 3321, Business Administration 2331.

4325 Marketing Management (3-0). Case analysis involving strategy and tactics for the solution of marketing problems; decision-theory stressing the interdisciplinary nature of marketing management.

Prerequisite: Marketing 3321 and English 3352.

4326 Marketing Research Theory (3-0). The research function as an adjunct to the solution of business and marketing problems; formulation of research designs; methodology for the acquisition of data, treatment, and analysis, and administration of the research function.

Prerequisite: Business Administration 2331, Marketing 3321 and English 3352.

4327 Pricing and Price Policies (3-0). Appraisal of price theory and its limitations in real world situations. Evaluation of market conditions, costs, and competitive situations as pricing factors.

Prerequisites: Economics 2302, Marketing 3321, Business Administration 2331.

4328 Salesmanship (3-0). The components needed in order to effectively close a sale. Emphasis on buyer behavior, personal motivation, need for product knowledge, the art of persuasion, prospecting, handling objections and closing techniques. Oral participation is required.

4329 Marketing Research Applications (3-0). Business projects requiring applications of theories found in Marketing 4326.

Prerequisite: Marketing 4326.

4381 Special Topics (3-0). Special topics in marketing. (May be repeated once for credit when topics varies.)

Prerequisite: Consent of instructor.

COURSE IN UNIVERSITY STUDIES (USTD)

3236 Career Development (2-0). This course focuses on career planning. Students will match individual abilities and interests to specific career alternatives and create a plan of action to secure the first job on the career path. Students will practice verbal and written communications skills by, for example, creating a resume and cover letter and interviewing and role-playing. Video technology may be used. Coverage will be given to topics and exercises designed to enhance personal professionalism. Guest speakers from various careers may be invited to speak to the class.



DEPARTMENT OF COMPUTER SCIENCE

Professor and Head: Charles B. McCamant
Professor: Homeyer
Associate Professors: Lehmann, Motl

Bachelor of Business Administration (Computer Science major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Computer Science 1331, 2301, 2311, 2323, 3302, 3341, 4301, 4302, 4312, 4341, and nine advanced hours in computer science	39
Accounting 2301, 2302, 3301	9
Business Administration 1301, 2331, 2345, 4303	12
Finance 3361	3
Management 3301, 3305	6
Marketing 3321	3
OTHER REQUIREMENTS	
Communication 2301	3
Economics 2301, 2302	6
English 1301, 1302, sophomore literature, 3352	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics (including 2332)	9
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	2
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
(optional for BBA)	0
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	
ELECTIVES	
Electives	3
Must not include courses offered by the Business Administration or Accounting, Eco- nomics, and Finance Departments.	
The above plan meets all core curriculum and general BBA requirements.	

Bachelor of Science

(Computer Science major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Computer Science 1331, 2301, 2311, 2323, 3302, 3341, 4301, 4302, 4312, 4341, and nine advanced hours in computer science	39
OTHER REQUIREMENTS	
Biology or geology*	8
Chemistry, physical science, or physics (including Physics 3444)*	6-8
Communication 2301	3
English 1301, 1302, sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics (including 2332)	9
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	14-16

The above plan meets all core curriculum and general BS requirements.

Bachelor of Science

(Computer Science major and secondary teacher certification
with mathematics for the second teaching field)**

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Computer Science 1331, 2301, 2311, 2323, 3302, 3341, 4301, 4302, 4312, and 4341	30
OTHER REQUIREMENTS	
Biology or geology*	8
Chemistry, physical science, or physics (including Physics 3444)*	6-8
Communication 2301 or 2331	3
English 1301, 1302, sophomore literature, 3351	12

* At least two of the science courses completed for this degree must include a lab component.

** If a second teaching field other than mathematics is chosen, nine hours of mathematics including Mathematics 2332 must be completed and more than 130 semester hours may be required for the degree.

Government 2301, 2302	6
History 1301, 1302	6
Mathematics (including 2332)*	9
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, dram, mus) lower division	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD*	
Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, 4322	27
ELECTIVES	
Electives	6

The above plan meets all core curriculum and general BS requirements.

* If a second teaching field other than mathematics is chosen, nine hours of mathematics including Mathematics 2332 must be completed and more than 130 semester hours may be required for the degree.

Secondary Teacher Certification: A student who chooses computer science for a second teaching field must complete the following courses: Computer Science 1331, 2301, 2311, 2323, 3341, 4302, 4341, and 3 advanced hours.

COURSES IN COMPUTER SCIENCE (C S)

1331 Principles of Data Processing (3-0). Basic data processing techniques, data representation schemes, computer concepts, computer components, problem solving techniques, programs and languages designed to familiarize the student with broad concepts and applications of data processing.

2301 Introduction to Computer Science I (3-0). The concepts and properties of algorithms for solving numerical and non-numerical problems. Introduction to computer and programming systems, including the development, debugging, and verification of programs, representation of data, computer characteristics and organization.
Prerequisite: Computer Science 1331.

2311 Computer Organization and Programming (3-0). Basic computer organization with emphasis on machine representation of data and instructions; programming in assembly and machine-oriented languages for real and simulated computers.
Prerequisite: Computer Science 2301.

2323 Introduction to Computer Science II (3-0). Problem solving and program development techniques emphasizing modular design and microcomputer applications including records, strings, and pointers.
Prerequisites: Computer Science 2301.

3302 Introduction to Systems Programming (3-0). Advanced assembly language techniques, including macros, conditional assembly, levels of I/O, and file structures. Evolution of systems programming, assemblers, and the assembly process. Linkers, loaders, and program translation by interpretation and generation.

Prerequisites: Computer Science 2311, 3341.

3324 File Structures (3-0). File organization methods and processing techniques in a high level programming language. Concepts of creating, merging, sorting, and updating sequential, random, and indexed files.

Prerequisite: Computer Science 2311, 2323.

3341 Data Structures (3-0). Study of basic data structures and their applications. Includes linear structures (arrays, lists, stacks, queues) and non-linear structures (trees, graphs). Sequential and linked storage representation methods. Sorting and searching algorithms and techniques of algorithmic analysis.

Prerequisite: Computer Science 2323.

3344 Computer Architecture (3-0). Study of the hardware components of a computer system and survey of various computer architectures. Topics include instruction set design, computer arithmetic, and microprogramming.

Prerequisite: Computer Science 2311.

3390 Java Programming (3-0). Programming concepts and development in the Java language including applications and applets.

Prerequisite: Computer Science 2301.

4301 Algorithmic Languages and Compilers (3-0). Formal description of algorithmic languages, compilation techniques, syntactic analysis, code generation, storage allocation, syntax-directed compilers, compiler-building systems.

Prerequisites: Computer Science 2311, 3341.

4302 Operating Systems (3-0). A study of the design and implementation of operating systems; analysis of system resource management, including the memory, processor, device, and information management functions.

Prerequisites: Computer Science 2311, 3341.

4304 The UNIX Operating System (3-0). Study of the history, fundamentals and use of the UNIX operating system. The kernel, file management and manipulation, utilities, text editing, shell programming, system administration, and the C programming language.

Prerequisite: Computer Science 3302.

4306 Software Design Concepts (3-0). Introduction to the fundamental concepts of computer software development; programming methodology; software reliability; performance and design evaluations, software project management; program development languages, tools and standards.

Prerequisite: Computer Science 3341.

4308 Computer Graphics (3-0). Study of hardware and software found in graphics systems. Implementation of GKS primitives in a language such as Pascal. Line and curve drawing, text generation, transformation methods for two and three dimensional systems, fill algorithms, fractal curves and hidden-line algorithms.

Prerequisites: Computer Science 2323, Mathematics 1321.

4312 Internet Technologies (3-0). Technologies that make up the Internet including servers, clients, protocols, browsers and mechanisms for executable content. Topics include an understanding of how TCP/IP works, the combination of HTTP protocol and HTML to make the World Wide Web, HTML forms and the CGI interface and the use of JavaScript to create dynamic HTTP content on the client side.

Prerequisite: Computer Science 3341.

4314 Client/Server Programming (3-0). Developing client and server applications that work together. A project oriented course in which each student will be expected to design and program both the server and client of at least one application.

Prerequisite: Computer Science 3341.

4316 Visual Programming (3-0). Programming in and for a visual or GUI environment. Event-driven objects including mouse and window events.

Prerequisite: Computer Science 2301.

4341 Data Base Management (3-0). Basic data base concepts, organization, and definitions; data description languages; relational data base concepts and examples; comparison of data base systems.

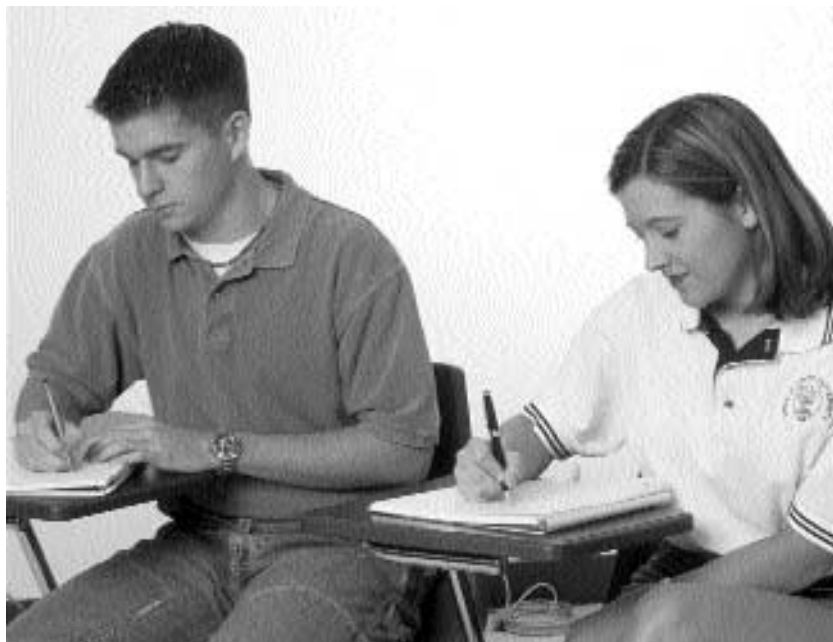
Prerequisite: Computer Science 2323.

4381 Special Topics in Computer Science (3-0). Contemporary applications and theory in computer science. (May be repeated once for credit when the topics vary.)

Prerequisite: Computer Science 3341.

4393 Research. Individual research problems for superior students majoring in computer science.

Prerequisite: Junior standing.



DEPARTMENT OF KINESIOLOGY

Professor and Head: Melanie A. Croy

Professor: Yarbrough

Associate Professor: Price

Assistant Professors: Brasfield, Guerrero, Horne, Keith,
Martin, Vangergriff

Instructors: Jonas, J. Reid, T. Reid, Southall

Lecturers: Bomgardner, Brooks, Brown, Esposito, Hill, Johnson, Rodolph,
Sanders, Smith,

Bachelor of Science

(Kinesiology major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Kinesiology 1311, 1363, 2341, 3341, 3361, 4351, 4370, 4372, two advanced courses	30
Kinesiology 2321, 2322, 2323, 2324, 2325, 2355, or 2363	3
OTHER REQUIREMENTS	
Biology 2423, 2424	8
Chemistry, physical science, or physics	6-8
Communication 2301	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Physical Activity	4
[P A 1112* and three additional physical activity courses (courses may not be repeated). P A 2101 may be used once for credit.]	
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	25-27

* A swimming proficiency test may be taken *prior to the accumulation of 90 sch.* This is a proficiency test only. Credit is not given for P A 1112.

Bachelor of Science

(Kinesiology major with teacher certification)

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Kinesiology 1311, 1363, 2341, 3341, 3361, 4351, 4370, 4372, and one advanced course.....	27
Kinesiology 2321, 2322, 2323, 2324, 2325, 2355, or 2363	3
OTHER REQUIREMENTS	
Biology 2423, 2424	8
Chemistry, physical science, or physics	6-8
Communication 2301 or 2331	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323.....	3
English 1301, 1302, and one sophomore literature.....	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 2331, 2332	3
Physical Activity	4
[P A 1112* and three additional physical activity courses (courses may not be repeated). P A 2101 may count once for credit].	
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SECOND TEACHING FIELD	
Second Teaching Field	24
ELECTIVES	
Certain second teaching fields may require additional electives	3
PROFESSIONAL EDUCATION	
Kinesiology 3357**	3
Education 4321, 4322, 4323, 4630.....	15
Reading 4320	3

Secondary Teacher Certification: Students choosing kinesiology for a second teaching field must complete the following courses in kinesiology: 1311, 1363, 2341, 3341, 3361, 4351, 4370, and one course from 2321, 2322, 2323, 2324, 2325, or 2363. (It is strongly recommended that students enroll in Physical Activity 1117 in preparation for 2321, 2322, 2323, and 2324.) Students must complete four different physical activity courses.

* A swimming proficiency test may be taken *prior to the accumulation of 90 sch.* This is a proficiency test only. Credit is not given for P A 1112.

** Kinesiology 3357 is a professional education course. This course is not included in the 30 hours necessary for the major.

Requirements for approval to take the ExCET examination in kinesiology:

1. Grade point average of 2.5 or better.
2. Completion of all required coursework in kinesiology (for kinesiology majors and minors).
3. Approval from the Head of the Department.

Pre-Physical Therapy

Students may prepare for admission to the ASU Master of Physical Therapy (MPT)* program by completing 90 semester credit hours from any of the kinesiology degree plans to include the prerequisite courses listed below. Applicants must have a minimum overall GPA of 3.00. All MPT program prerequisite courses must be taken within five years of program admission with a minimum grade of *B* in each course. At the time of application GPA is calculated by averaging grades for repeated prerequisite courses.

Biology 1301, 1101	Biology 2402
Biology 2423	Biology 2424
Chemistry 1411	Chemistry 1412
Physics 1311, 1103	Physics 1312, 1104
Psychology 2301	Psychology 2304
Nursing 4337 or Psychology 3305 or Mathematics 3321	

Optional courses: Biology 4423, Biology 4444, Biology 4480, Sociology 2301, Psychology 2305, Psychology 4305.

Students are encouraged to prepare for and apply for admission to more than one PT program. Other Texas physical therapy programs may have different requirements. Students should contact the admissions office of each program to verify each school's prerequisites or consult with a Kinesiology Department advisor or the pre-physical therapy advisor in the ASU Biology Department. Regular conferences with a pre-PT advisor are essential. For a more complete description of the Pre-Physical Therapy prerequisites and a description of the MPT program, see the Physical Therapy Department section (page 444) in the Graduate portion of this *Bulletin*.

*The ASU Physical Therapy Department is a candidate for accreditation with Commission on Accreditation in Physical Therapy Education (CAPTE). Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria but does not ensure that a program will achieve accreditation.

PHYSICAL ACTIVITY COURSES (P A)

A student with a physical disability which would prevent taking physical activity courses should obtain written certification of the disability from a physician. The Dean of the student's major College may grant permission for other college level work to be substituted for physical activity courses upon petition by the student.

1111 Adaptive Activities (0-2). A program of activities modified to meet the needs of students who are not qualified for full participation in the physical activity program. The activities offered will be those recommended by the examining physician for each individual student. This course may be repeated for a maximum of four semester hours of credit or until such time as the physician recommends entry into the unrestricted program.

Prerequisite: A written statement by a physician in which a specific modified program of activities is recommended for the student.

The following physical activity courses are designed to provide the student with knowledge and application of fundamental techniques required to participate in each activity at the recreational level. (These courses may not be repeated for credit.)

1112 Swimming (0-2).

1113 Racquetball (0-2).

1114 Tennis (0-2).

1115 Bowling (0-2).

1116 Conditioning (0-2).

1117 Team Sports (0-2).

1118 Golf (0-2).

1119 Jogging (0-2).

1120 Weight Training (0-2).

1121 /DANC 1141 Ballet (0-2).

1122 Jazz Exercise (0-2).

1123 Water Aerobics (0-2).

1124 Badminton (0-2).

1125 Special Activities (0-2). Includes a variety of non-traditional activities and sports. (May be repeated once for credit when activities differ.) Activities may include but are not limited to archery, gymnastics, handball, and wallyball.

2101 Intercollegiate Activities (0-8). Participation as a member of an intercollegiate athletic squad. Upon dismissal or voluntary withdrawal from the intercollegiate program, the student must report to the Head of the Kinesiology Department for assignment to the regular physical activity program or to the adaptive program. (May be repeated for credit.)

Prerequisite: Membership on an intercollegiate athletic team.

2102 Precision Drill and Dance (0-5). Participation as a member of the University dance and drill team, the Angelettes. Upon dismissal or voluntary withdrawal from the program the student must report to the Head of the Kinesiology Department for assignment to the regular physical activity program or the adaptive program. (May be repeated for credit.)

Prerequisite: Instructor's approval.

COURSES IN KINESIOLOGY (KIN)

1311 Sport and Movement Foundations (3-0). Survey of the historical and philosophical foundations, scope, objectives, and future of sport and fitness related careers. In addition, the scientific foundations, programs, professional considerations, and leadership requirements for employment within this profession will be emphasized.

1363 Principles of Wellness (3-0). The study of the aspects that make up total wellness. Subject areas will include the health-related aspects of physical fitness, proper nutrition, heart disease, substance abuse and the influence of mental, emotional, and psychological factors on these aspects.

2321 Football (3-0). Fundamental skills involved in football including individual skills and techniques, terminology, identification of various offenses and defenses, scouting, and total organization of competitive football.

2322 Basketball (3-0). Fundamental skills involved in basketball, including individual skills and techniques, terminology, team offenses and defenses, scouting, and total organization of competitive basketball.

2323 Track (3-0). Teaching the organization of track and field with emphasis on theory, skills, and film studies. Includes officiating and developing a training system and some participation.

2324 Volleyball (3-0). Fundamental skills involved in volleyball, including individual skills and techniques, offenses, defenses, transition play, scouting, strategies, physical training and conditioning principles, and total organization of competitive volleyball.

2325 Soccer (3-0). Fundamental skills involved in soccer, including individual skills and techniques, offenses, defenses, scouting, principles of training and conditioning, psychology of coaching and the total organization of competitive soccer.

2341/PHED 1306 Safety and First Aid (3-0). Fundamentals of safe conduct in home, traffic, recreation, and community. First aid includes practice of current standard techniques including CPR.

2355 Dance (3-0). A course designed to give students a basic understanding of and increased appreciation for dance as an art form and as a lifetime activity. Includes, primitive, religious, Eastern, Western, classical ballet, folk, ethnic, ballroom and modern dance.

2363/PHED 1308 Officiating (3-0). Study and interpretation of rules of various sports and actual practice of officiating and judging athletic events.

3333 Motor Development (3-0). A study of psychomotor development. The focus is on the growth years, though developmental considerations for all age groups are considered. Implications for sport, exercise, and physical activity will be discussed.

3343 Exercise and Sport for Special Populations (3-0). A survey of various disabling conditions, physical, mental, and emotional; and the implications that these disabilities impose on physical activities, fitness, and sport. A field experience is required.

3351 Tests and Measurement in Physical Education and Sport (3-0). Measurement techniques unique to the evaluation of physical performance objectives, including physical fitness and acquisition of basic motor and sport skills. Practical experiences will be provided in test administration, scoring, and interpretation of results.

3353 Sport and Fitness Programs for Children (3-0). Motor skills acquisition in children; the sequential progression in the achievement of motor proficiency and physical fitness through the use of skill themes and movement concepts.

3357 Sport and Fitness Programs in the Secondary School (3-0). Major emphasis on development of competencies needed to: create and maintain a learning environment, engage students in learning related activities and implement effective instruction at the secondary level. Special emphasis on adolescent growth and development, learning theories, teaching styles, performance objectives, and program goals. A professional education class and not included in major class requirements. A field practicum is required.

3361 Sport Management (3-0). Organization, administration and management of sport and exercise programs. Includes personnel management and supervision, program development, planning and management of facilities, the purchase and care of supplies and equipment, legal liability, and public relations.

3441 Care and Prevention of Athletic Injuries (3-3). The purpose of this course is to identify injury risk factors associated with participation in competitive athletics and to plan all components of a prevention program.

4331 Sports Law (3-0). A course that focuses on the legal elements and responsibilities found in sports and the entire realm of physical activities. The legal environment; legal duties and responsibilities; risk management; and participant rights will be addressed. Emphasis will be placed on developing proficiency in recognizing and solving problems and issues in sports and physical activities.

4351 Team and Individual Sports (3-0). Presentation of basic motor skills, rules, and strategies of selected team and individual sports. Includes participation in the sport activities.

4353 Administration of Athletic Training Programs (3-0). The principles of administrative components within the athletic training program. The student will plan, coordinate, and supervise areas of health care services, financial management, training room management, personnel management, and public relations.

4361 Psychological Aspects of Sport (3-0). An introduction to the subdiscipline of sport psychology. Emphasis will be placed on the application of psychological theories and training techniques specifically to coaching athletes.

4363 Motor Learning (3-0). Applications of learning principles to skill acquisition in sport and human domain. The study of psychological factors affecting performance and acquisition of motor skills.

4370 Physiology of Exercise (3-0). The responses of the human body to exercise, emphasizing generation of energy in skeletal muscle, dynamics of muscular contraction, oxygen transport system, body composition, and training regimens. It is strongly recommended that the student take Biology 2423 and Biology 2424 in preparation for this course.

4372 Kinesiology: Biomechanical Analysis of Movement (3-0). Principles of human movement. Understanding the interrelationship of structure and movement of human beings with respect to anatomy and mechanical analysis.

Prerequisite: Biology 2423.

4373 Internship. Supervised internship with selected wellness and recreational organizations. Recommended for students not seeking teacher certification.

Prerequisites: Senior standing and approval by department head. Apply by March 1 for the following fall semester and by November 1 for the following spring semester.

4381 Special Topics (3-0). Selected topics in kinesiology. May be repeated once for credit when topic varies.

4433 Assessment of Athletic Injuries/Illness (3-3). The study of clinical assessment related to injuries/illness sustained by the competitive athlete. The student will learn manual and oral skills of a health history, visual inspection, range of motion, muscular strength, joint stress testing, and functional inspections.

4441 Therapeutic Modalities (3-3). The study of theories, applications, and methods of various modalities consisting of cryotherapy, electrotherapy, hydrotherapy, and thermotherapy in addition to principles of traction, intermittent compression, and massage.

4442 Therapeutic Exercise (3-3). The study of a comprehensive rehabilitation/reconditioning program involving techniques of flexibility, muscular strength, muscular endurance, and cardiorespiratory training involving anaerobic and aerobic principles.



THE COLLEGE OF LIBERAL AND FINE ARTS

E. James Holland, Ph.D., Dean

Department of Art and Music

Department of Communications, Drama, and Journalism

Department of English

Department of Government (including Criminal Justice
and Philosophy)

Department of History (including Geography)

Department of Modern Languages (French, German,
Spanish, Linguistics, and Russian)

Department of Psychology and Sociology



DEPARTMENT OF ART AND MUSIC

Associate Professor and Acting Head: David E. Scott
 Professors: Belcheff, Black, Prestiano
 Associate Professors: Lee, Vinklerek
 Assistant Professors: Apodaca, Harper, Irish, Nino, Overmier, Surface, Watson
 Instructor: Towndrow
 Director of Bands Emeritus: Brinson
 Adjunct Professor of Art: Taylor
Bachelor of Arts
 (Art major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Art 1321, 1322, 2301, 2302, 2311, 2312	18
Art Specialization Area (advanced)*	12
Art (advanced)	6
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, one sophomore literature	9
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Modern Languages 2311 (Spanish 2310 or 2311) , 2312 (also 1301, 1302 if necessary)**	6-12
Journalism 2321 or 2344	3

* Art Specialization areas are designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the art discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the art specialization areas should take Art 3311 or 3321 (painting specialization area) and at least one course from three of the other specialization areas.

Art History: 3313, 3315, 3317, 3319

Ceramics: 3313, 3331, 3332, 3333 or 3341

Graphic Illustration: 3311 or 3321, 3371, 3372, 4371

Painting: 3311, 3313, 3321 and 4321, or 3322 and 3323

Printmaking: 3311, 3361, 3362, 4362

Sculpture: 3313, 3331, 3341, 4341

** See page 154 for modern language requirements.

SUPPORTING CONCENTRATION
Supporting Concentration18

ELECTIVES
Electives22

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an Art major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

The student interested in commercial art who chooses the graphic illustration specialization area should include Art 1371, and as electives, Journalism 2321 and 2344 or 2345, and Computer Science 1331 or University Studies 2323. Arrangements for the art internship must be made with the instructor during the semester prior to participation in the internship.

Bachelor of Arts
(Art major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Art 1321, 1322, 2301, 2302, 2311, 2312	18
Art 3321 or 3322, 3331 or 3341, 3361	9
Art (advanced)	9
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, one sophomore literature	9
Humanities: (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3

* See page 154 for modern language requirements.

SECOND TEACHING FIELD

Second Teaching Field24-27

ELECTIVES

Electives4

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an Art major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Secondary Teacher Certification: A student who chooses art as a second teaching field must complete: Art 1321 or 1322, 2301, 2302, 2311 or 2312, 3321, 3331 or 3341, 3361, and three advanced semester hours.

Elementary Teacher Certification: A student who chooses art as an academic specialization area must complete: Art 1301, 1302, 1321 or 1322, 2311 or 2312, 3321, 3331 or 3341, and three advanced semester hours.

Bachelor of Fine Arts
(Studio Art major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Art 1321, 1322, 2301, 2302, 2311, 2312, 2373	21
Art 3312, 3313, 3361	9
Art 3321 or 3322	3
Art 3331, 3341, or 3324 (exclusive of specialization)	3
Art (Specialization Area)	24-30
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Humanities: (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Journalism 2321	3

SPECIALIZATION AREAS

All Bachelor of Fine Arts students are required to select one of the following specialization areas:

Ceramics:

Art 3331, 4371, 4380.....	9
Art 3332 (6 sch with repeat)	6
Art 3333 (6 sch with repeat)	6
Art 4378, 3315, 3317, 3319, or 3320	3

Graphic Design:

Art 2372, 3371, 3372, 4371.....	12
Art 4370 (6 sch with repeat)	6
Art 4372 (6 sch with repeat)	6
Communication/Journalism 2344, 2345.....	6

Painting/Drawing:

Art 3311, 3320, 4323.....	9
Art 3321 or 3322*	3
Art 4321 or 3323*	3
Art 4321, 3323, 3311, 4378, or Advanced Art History	9

* Take course which was not taken for the basic Art requirements.

Printmaking:

Art 3311, 3312.....	6
Art 3362 (6 sch with repeat)	6
Art 4362 (6 sch with repeat)	6
Art 4372 or 4378	3
Advanced Art History	3

Sculpture:

Art 3311 or 3312	3
Art 3341	3
Art 4341 (6 sch with repeat)	6
Art 4342 (6 sch with repeat)	6
Art 4372 or 4378	3
Advanced Art History	3

ELECTIVES

Electives**	16-22
-------------------	-------

** Art 4372 is strongly recommended for all specializations.

Journalism 3322, 4322, 4325 are strongly recommended for Graphic Design specialization.

COURSES IN ART (ART)

1301/1301 Introduction to Art (3-0). A course designed to lead to a basic understanding and increased enjoyment of the visual arts. For non-art majors/minors only. Option for education majors with an art emphasis.

1302 Primary Art (3-0). A course designed to convey essential artistic concepts, design principles, and theoretical aspects as related to an understanding of the visual arts and how this understanding applies to the development of the child and his/her potential creativity.

1321/1311 Design I (0-6). Fundamentals of color and form. Application of elements and principles of design to situations in everyday life.

1322/1312 Design II (0-6). A continuation of Art 1321.

2301/1303 Art History I (3-0). A survey of architecture, painting, and sculpture from prehistoric times to the Romanesque period of the Middle Ages.

2302/1304 Art History II (3-0). A survey of architecture, painting, and sculpture from the Gothic period of the 13th century through the modern era.

2311/1316 Drawing I (0-6). Fundamentals of drawing and figure construction in charcoal and other selected media.

2312/1317 Drawing II (0-6). A continuation of Art 2311. Exercises in drawing the figure in various media and a study of techniques used by past and contemporary artists.

2372 Graphic Illustration (0-6). Problems in illustration making use of various media, combined with a study of techniques used in the reproduction methods of the graphic arts industry. Formerly Art 1371.

2373 Digital Design (0-6). A foundation course centered on the manipulation of the elements of art with the use of the computer.

3311 Drawing III (0-6). Emphasis will be placed on contemporary drawing techniques, visual communication, and styles. May be repeated for credit.

3312 Figure Drawing (0-6). Focuses on the development of understanding the proportions and aspects of the human figure, while encouraging individual interpretation. (May be repeated once for a total of six credit hours with the consent of the instructor).

3313 Modern Art (3-0). An examination of the development of modern painting and sculpture from the late eighteenth century to the present. Emphasis is placed on the evolution of style, philosophical content, and historical relevance.

3315 Italian Renaissance Art (3-0). The development of painting, sculpture, and architecture from the late thirteenth century to the end of the sixteenth century. Emphasis is placed on the context of philosophic, social, and theological concepts of the period.

3317 Modern Architecture (3-0). A study of the development of architectural structure, form, and style and of related historical influences. The course will cover the period from the mid-eighteenth century to the present.

3319 Greek and Roman Art (3-0). A study of the history of architecture, painting, and sculpture of the classical world.

3320 American Art (3-0). A study of the development of painting and sculpture in the United States with emphasis placed on artistic significance, stylistic interaction, and social, philosophical, and historic relevance.

3321 Painting I (0-6). A studio-laboratory study of procedures and purposes which develop basic painting techniques.

3322 Watercolor I (0-6). A study of the fundamental methods and procedures which are required for working with water soluble paint, especially transparent watercolor.

3323 Watercolor II (0-6). A continued study in basic watercolor techniques with added emphasis on extended and varied creative approaches. May be repeated for credit with consent of instructor.

3324 Jewelry (0-6). A studio laboratory that introduces traditional as well as contemporary processes and materials used in the creation of jewelry. Techniques will include sawing, piercing, soldering, bezel setting stones, and development of design application using these skills.

3325 Jewelry II (0-6). The development of a personal authentic and conceptual direction in metal work focusing on the relationship of surface to form. Casting is introduced and the fabrication process will be continued. (May be repeated once for a total of six credit hours with the consent of the instructor.)

3327 Fibers (0-6). Structural development of fibers in woven forms as a fine art medium. The use of the frame-loom and non-loom weaves, coiling, twining, and twilling. (May be repeated once for a total of six credit hours with the consent of the instructor.)

3331 Ceramics I (0-6). Basic techniques of ceramic production; investigation into the artistic process of creating ceramic art forms. Emphasis on actual ceramic production.

3332 Ceramics II (0-6). A continuation of Art 3331. Emphasis on wheel production, glaze formulation, kiln construction, and firing techniques. (May be repeated for credit with consent of instructor.)

Prerequisite: Art 3331.

3333 Ceramics III (0-6). An advanced course designed for the exploration of ceramics as a sculptural vehicle. Emphasis is placed on students ability to perceive the relationship between the idea to the finished three dimensional sculpture. (May be repeated for credit with consent of instructor.)

3341 Sculpture I (0-6). A study of the fundamental concepts in form, using clay modeled over armatures and cast in plaster, carving, and assemblage techniques.

3361 Printmaking I (0-6). A study of the processes of printing using relief, intaglio, stencil, and planographic methods.

3362 Printmaking II (0-6). Opportunities for specialization and experimentation in printmaking processes. (May be repeated for credit with consent of instructor.)

3371 Typography (0-6). A course designed to explore typographical form in the graphic arts as a means of social and commercial communication. Application of typographical principles and analysis of design will be stressed.

3372 Layout Concepts (0-6). An introduction to the printmaking industries involving a study of layout and paste-up design and the preparation of copy for various printing methods. (May be repeated for credit with consent of instructor.)

4321 Painting II (0-6). Advanced studio-laboratory study of procedures and purposes which develop painting techniques with emphasis on individual expression. (May be repeated for credit with consent of instructor.)

4323 Figure Painting (0-6). A continuation of the development of painting skills using the human figure as subject matter. (May be repeated once for a total of six credit hours with the consent of the instructor.)

4341 Sculpture II (0-6). Advanced studies in sculpture based on fundamental principles included in Art 3341 but with greater emphasis on individual expression. (May be repeated for credit with consent of instructor.)

4342 Sculpture III (0-6). Opportunities for specialization in experimental sculpture techniques, including mixed media and installation art. (May be repeated twice for credit with consent of the instructor.)

4362 Printmaking III (0-6). Opportunities for specialization in etching and various photographic methods of printmaking.

4370 Advanced Computer Application in the Graphic Arts (0-6). Focuses on the individual creative solutions derived from the use of computer imaging. (May be repeated once for a total of six credit hours with the consent of the instructor.)

4371 Internship. An in-service program with campus and/or local establishments as assigned on an individual basis. Formerly Art 3373.

Prerequisites: Completion of area of specialization and consent of instructor.

4372 Portfolio Preparation (0-6). Focuses on the development of the student's individual portfolio. Presentation and marketing skills will be developed. (May be repeated once for a total of six credit hours with the consent of the instructor.)

4378 New Concepts in Art (3-0 or 0-6). This course will allow students to explore new trends in the visual arts either in the context of a studio laboratory experience or within the form of a seminar in which contemporary thought in the visual arts are discussed and analyzed. (May be repeated once for a total of six credit hours with the consent of the instructor.)

4380 Ceramic Chemistry (0-6). The composition, properties, and use of materials in glazes. Calculation of glaze formulas and batches. Laboratory exercises in development of color and texture. (May be repeated once for a total of six credit hours with the consent of the instructor.)

4381 Special Topics (3-0 or 0-6). A course dealing with selected topics in art. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in art.

Prerequisite: Junior standing.

Bachelor of Arts

(Music major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Music 1451, 1452, 2451, 2452, 3341, 3342	22
Music 3251, 3252, 3263 or 3264, 4253, 4281, 4282, or 4381	12
Music (applied-lower division)	2
Music (applied-advanced)	1
Music (ensemble)	2
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, one sophomore literature	9

Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity	1
Social Science (economics, geography, psychology sociology) lower division	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12

SUPPORTING CONCENTRATION

Supporting Concentration	18
--------------------------------	----

ELECTIVES

Electives (minimum of 15 advanced hours)	16-22
--	-------

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a music major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

DEPARTMENTAL REQUIREMENTS: Successful completion of sophomore upper-level exam and senior-level recital (consult with studio teacher) in the major instrument, concert/recital attendance, and participation in an ensemble during all semesters enrolled are required by the Department of Art and Music.

Bachelor of Music

(Music major with all-level teacher certification--130 semester hours)

This program is designed to provide the student with certification to teach music at all public school grade levels. The student will choose either a choral or instrumental emphasis. Student must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4315 or 4317.

The student must meet the department concert/recital attendance requirement (see music student handbook) in order to graduate with a music degree.

	Semester Hours
ACADEMIC MAJOR	
Music 1451, 1452, 2343, 2344, 2451, 2452	22
Music 3163, 3164, 3251, 3252, 3263, 3264, 3341, 3342, 4281, 4282, 4253	22
Music (diction -2 or class instruments -4)	2-4
Music (major instrument)	7-9
Music (piano class or minor instrument)	3
Music (major instrument advanced)	2
OTHER REQUIREMENTS	
Communication 2301 or 2331	3

* See page 154 for modern language requirements.

Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
PROFESSIONAL EDUCATION	
Education 4315, 4317, 4321, 4395, 4397	15
Educational Psychology 3311	3
Reading 4320	3
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Music degree requirements. The BM degree with a music major (with all-level teacher certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

DEPARTMENTAL REQUIREMENTS: Piano proficiency certification, successful completion of sophomore upper-level exam and senior-level recital in the major instrument, concert/recital attendance, and participation in an ensemble during all semesters enrolled except student teaching are required by the Department of Art and Music.

Elementary Teacher Certification: The student who chooses Music as an academic specialization area must complete: Music 1451, 1452, 3341, 3342, 3163, 3263, 4281, three semester hours of applied music, and three semester hours of ensemble music.

The student must pass a piano proficiency examination prior to admittance to the Teacher Education Program and perform a senior-level recital in the major instrument prior to student teaching. In addition, the student must meet the department concert/recital attendance requirement (see music student handbook) in order to graduate with a music degree.

COURSES IN MUSIC (MUS) (Ensemble)

For the baccalaureate degree the student may present no more than 12 semester credit hours in ensemble and no more than eight semester credit hours in any one course. The student must utilize the first 12 semester credit hours earned in ensemble toward the baccalaureate degree.

1111 Band (0-5). Performance experience in band ensemble; open to all students.

1112 Concert Chorale (0-3/5). Performance experience in choral ensemble; open to all students. Non-music majors meet three days a week; music majors meet five days a week.

1114 Small Ensembles (0-2). Performance experience in a small choral or instrumental ensemble. Students selected by audition.

1115 Chamber Choir (0-5). Performance experience in a chamber choral ensemble. Students selected by audition.

1116 Jazz Ensemble (0-3). Performance experience in a jazz band ensemble. Students selected by audition.

1117 Opera/Music Theatre Workshop (0-3). A study of singing-acting techniques with experimental learning through the use of scene work taken from opera and music theatre literature. This group will work on ensembles, quartets, trios, and duets as well as solo material. Students are selected by audition.

1139 Marching Percussion (0-2). Performance and pedagogical techniques of Marching Percussion ensembles. (Must be taken concurrently with MUS 1111 Ram Band).

COURSES IN MUSIC (MUS) (Applied)

For the baccalaureate degree the student may present no more than 14 semester credit hours in applied music, and no more than 12 of these semester credit hours may be lower division, with one (B.A.) to two (B.M.) semester credit hours of upper division credit in the major instrument.

Non-music majors: A limited number of non-music majors will be accommodated each semester, and enrollment is not guaranteed.

The numbers in parentheses following applied music course titles indicate actual clock hours of instruction and practice (or rehearsal) required for course credit. (1/2-6) indicates one-half hour of private instruction and six hours of practice for one semester credit hour. (1-9) indicates two one-half hours of private instruction and nine hours of practice for two semester credit hours. B.M. major: 1200 level; B.A. music major or non-music major: 1100 level. Class piano meetings are scheduled three hours each week for one semester credit hour, and scheduled practice assignments are variable in accordance with student needs.

1121, 1221 Brass (1/2-6 or 1-9). Private study of principles and techniques of instrumental performance, open to all students. (May be repeated for credit.)

1122 Piano (1/2-6). Private study of principles and techniques of piano performance. For non-music majors or non-piano majors who successfully complete MUS 1134 or piano majors in the B.A. in music degree program. Piano faculty approval required. (May be repeated for credit.)

1222 Piano (1-9). Private study of principles and techniques of piano performance. For piano majors in B.M. degree program only. (May be repeated for credit.) Piano faculty approval required.

1124, 1224 Voice (1/2-6 or 1-9). Private study of principles and techniques of voice performance, open to all students. (May be repeated for credit.)

1125, 1225 Woodwinds (1/2-6 or 1-9). Private study of principles and techniques of instrumental performance, open to all students. (May be repeated for credit.)

1126, 1226 Percussion (1/2-6 or 1-9). Private study of principles and techniques of percussion performance, open to all students. (May be repeated for credit.)

1127, 1227 Organ (1/2-6 or 1-9). Private study of principles and techniques of instrumental performance, open to all students. (May be repeated for credit.)

1130 Class Piano Level 0 (0-3). Class designed to prepare music majors with no previous piano training for 1131. Does not count toward minor instrument.

1131 Class Piano Level I (0-3). Class designed to prepare music majors to pass the first level piano proficiency examinations. The satisfactory performance of major and minor chords, random chords, and America fulfill the requirements of this course.

Prerequisite: Satisfactory completion of piano entry-level examination.

1132 Class Piano Level 2 (0-3). Class designed to prepare music majors to pass the second level of piano proficiency examinations. The satisfactory performance of major and minor chord progressions, America the Beautiful, and the Star-Spangled Banner fulfills the requirements of this course.

1134 Class Piano Level 3 (0-3). Class designed to prepare music majors to pass the third level of piano proficiency examinations. The satisfactory performance of two free choice pieces (instrumentalists only), one accompaniment (vocal majors only), harmonization/transposition, and sight-reading fulfills the requirements of this course.

1135, 1136 Class Voice for Non-Music Majors (0-2). The class study of proper vocal techniques and repertoire in the development of the singing voice. (May be repeated once for credit.)

1137, 1138 Non-Music Major Class Piano (0-2). Class piano for non-music majors who have little or no background in music. Students should develop basic keyboard skills to enable them to play piano for self enjoyment.

Prerequisite for 1138, satisfactory completion of 1137.

3121, 3221 Brass (1/2-6 or 1-9). Private study of advanced principles and techniques of brass performance. (May be repeated for credit.)

Prerequisites: Music 1121 or 1221, Junior standing, and upper division approval by faculty committee.

3122, 3222 Piano (1/2-6 or 1-9). Private study of advanced principles and techniques of piano performance. (May be repeated for credit.)

Prerequisites: Music 1122 or 1222, Junior standing, and upper division approval by faculty committee.

3124, 3224 Voice (1/2-6 or 1-9). Private study of advanced principles and techniques of vocal performance. (May be repeated for credit.)

Prerequisites: Music 1124 or 1224, Junior standing, and upper division approval by faculty committee.

3125, 3225 Woodwinds (1-9). Private study of advanced principles and techniques of woodwind performance. (May be repeated for credit.)

Prerequisites: Music 1125 or 1225, Junior standing, and upper division approval by faculty committee.

3226 Percussion (1-9). Private study of advanced principles and techniques of percussion performance. (May be repeated for credit.)

Prerequisites: Music 1126 or 1226, Junior standing, and upper division approval by faculty committee.

3127 Organ (1/2-6). Private study of advanced principles and techniques of organ performance. (May be repeated for credit.)

Prerequisites: Music 1127 or 1227, Junior standing, and upper division approval by faculty committee.

COURSES IN MUSIC (MUS) (Class Instruments and Diction)

2131/1168 Brass Class (0-2). Nomenclature of brass instruments and fundamentals of performance.

2132/2188 Percussion Class (0-2). Nomenclature of percussion instruments and fundamentals of performance.

2133/1189 Strings Class (0-2). Nomenclature of string instruments and fundamentals of performance.

2134/1166 Woodwinds Class (0-2). Nomenclature of woodwind instruments and fundamentals of performance.

2139 German and Italian Diction (0-2). A study of German and Italian diction and vocal repertory. Emphasis will be upon vocal techniques rather than knowledge of grammar or vocabulary. Designed primarily for vocal music majors.

2140 French and English Diction (0-2). A study of French and English diction and vocal repertory. Emphasis will be upon vocal techniques rather than knowledge of grammar or vocabulary. Designed primarily for vocal music majors.

COURSES IN MUSIC (MUS)

All music majors (B.A. and B.M.) including transfer students must take and pass all sections of the sophomore upper level exam before being certified to student teach and/or graduate.

1310 The History of Jazz (3-0). A survey of the genesis and development of this uniquely American art form encompassing the rich multi-cultural heritage of the early jazz pioneers to today's avant-garde. This course is designed for non-music majors.

1341/1306 Introduction to Music (3-0). A course designed to lead to a basic understanding and increased enjoyment of music for students not majoring or minoring in music, with emphasis on classical music.

1342 Survey of Rock and Roll (3-0). A study of the beginnings of rock music in the early 50's and the developments in this style up to the present. The course is designed for non-music majors.

1361 Fundamentals of Music (3-0). This course is concerned with elementary musical materials and is designed for non-music majors. However, entry-level music majors may take the course to gain a working knowledge of music fundamentals, but it does not meet requirements for the music major.

1375 American Musical Theatre (3-0). A study of the history and development of the Broadway musical and related art forms. This course is designed for non-music majors.

1451, 1452 Comprehensive Musicianship I (3-2). A study of music fundamentals followed by a stylistic approach to the diatonic harmony of the 17th and 18th centuries. Training in sight-singing and ear-training of rhythms, intervals, scales, melodies, and harmony parallels written assignments.

Prerequisite for 1451: Successful completion of freshman theory placement examination. Prerequisite for 1452: Successful completion of 1451.

2343 Music History I (3-0). The history and styling of music from antiquity to 1600.

Prerequisite: Successful completion of Music 1452.

2344 Music History II (3-0). The history and style of music from 1600 to 1816 (middle Beethoven).

Prerequisite: Successful completion of Music 2451.

2353 Electronic Music (3-0). The study of computer technology and its applications to music theory, composition, and data management.

2451, 2452 Comprehensive Musicianship II (3-2). A study of the harmonic and melodic techniques of the 19th and 20th centuries with emphasis on the changes in musical style from romanticism to the present time. Training in ear training and sight singing skills is coordinated with the study of harmony.

Prerequisite for 2451: successful completion of freshman theory. Prerequisite for 2452: Successful completion of 2451.

3163 Choral/Instrumental Seminar I (1-0). Choral majors will receive introductory instrumental training, and instrumental majors will receive introductory choral training. Must be taken concurrently with 3263.

3164 Choral/Instrumental Seminar II (1-0). Choral majors will receive introductory instrumental training and instrumental majors will receive introductory choral training as it relates to advanced students. Must be taken concurrently with 3264.

3251 Analytic Techniques (0-3). A study of methods of analysis currently being applied to music of all periods. Students will learn to approach a piece of music with tools for understanding the work as a whole and the relationship of its parts.

Prerequisite: Successful completion of sophomore evaluation.

3252 Counterpoint (0-3). An introduction to the contrapuntal techniques of the sixteenth, eighteenth, and twentieth centuries, based primarily on learning to write in these styles. The class will include in-class performance of contrapuntal music being studied.

Prerequisite: Successful completion of sophomore evaluation.

3263 Survey of Choral and Instrumental Literature I (2-0). A comprehensive survey of choral or instrumental theories, practices, and literature suitable for elementary/middle school ages.

Prerequisite: Satisfactory completion of 2452 or consent of instructor.

3264 Survey of Choral and Instrumental Literature II (2-0). A continuation of 3263 with application to secondary grades.

Prerequisite: Successful completion of 3163 and 3263 or consent of the instructor.

3341 Music History III (3-0). The history and style of music from middle Beethoven through Mahler.

Prerequisite: Successful completion of sophomore evaluation.

3342 Music History IV (3-0). The history and style of music from Debussy to present.

Prerequisite: Successful completion of sophomore evaluation.

3385 The High School Marching Band (3-0). A study of the organization, administration, current practices, and appropriate literature for the high school marching band.

4151 Composition (0-1). Individual instruction in the techniques of composing for both small and large ensembles in various forms. (May be repeated for a maximum of three semester credit hours.)

Prerequisite: Permission of instructor.

4253 Orchestration (0-3). A study of the capabilities of voices and all orchestral and wind ensemble instruments, including arranging and transcribing music for vocal and instrumental ensembles. This course includes a lab portion with hands-on experience.

Prerequisite: Successful completion of sophomore evaluation.

4281 Conducting I (1-2). A study of the basic techniques and fundamentals of conducting and score reading.

Prerequisite: Successful completion of sophomore evaluation.

4282 Conducting II (1-2). A continuation of 4281.

Prerequisite: Successful completion of 4281.

4381 Special Topics (3-0). Selected topics in music. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in music.

Prerequisite: Junior standing.



DEPARTMENT OF COMMUNICATIONS, DRAMA, AND JOURNALISM

Professor and Head: Jack C. Eli

Associate Professors: Doll, Smith

Assistant Professors: Boone, Johnson, Nicholson, Seaman, Voss, Worley

Instructors: Hammer, Miller, Turner

Bachelor of Arts

(Communication major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Communication 1351 or 1361, 2301,	6
Communication (two sophomore level courses)	6
Communication (specialization area or advanced)*	12
Communication (advanced)	6
OTHER REQUIREMENTS	
Communication 2345.....	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303,1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, or physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	25-31

* Communication specialization areas are designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the communication discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the specialization areas should take 12 semester hours of advanced communication courses.

ADVERTISING: 3321, 3342, 4335, 4355

INTERPERSONAL: 3351, 3352, 3355, 4311

ORGANIZATIONAL: 3335, 3352, 4351, 4371

PUBLIC RELATIONS: 3321, 3335, 3342, 4335

RADIO-TELEVISION: 3361, 3363, 4338 or 4364, 4365

** See page 154 for modern language requirements.

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a communication major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Bachelor of Arts

(Communication major with teacher certification)*

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Communication 1361, 2301, 2311, 2331	12
Communication 3321, 3311 or 4311, 3331, 4361	12
Communication (advanced)	6
OTHER REQUIREMENTS	
Communication 2345	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, or physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, or music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field***	24
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a communication major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

* Degree and teacher certification requirements often will exceed the normal 130-semester-hour minimum for a baccalaureate degree

** See page 154 for modern language requirements.

*** A minimum of 24 semester credit hours is required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses communication as a second teaching field must complete: Communication 1361, 2301, 2311, 2331, 3321, 3311 or 4311, 3331, and 4361.

Elementary Teacher Certification: The student who chooses Communication as an academic specialization for elementary teacher certification must complete: Communication 1351, 2301, 2331, 3331, 4361, and three advanced semester hours.

COURSES IN COMMUNICATION (COMM)

1101/SPCH 1144 Speech Activities (0-3). Opportunities are offered to those students who wish to participate extensively in forensic activities such as intercollegiate speech tournaments. May be repeated for a maximum of four semester credit hours but may not be used to meet communication major or supporting concentration requirements.

1351/SPCH 1311 Fundamentals of Speech Communication (3-0). Theory and practice of interpersonal communication, emphasizing participation in various communication contexts.

1361 Introduction to Radio-Television (3-0). A survey of the components of the broadcasting system in America including technical bases, economics, programming, and regulations. (Formerly Communication 1321.) (Credit may not be earned for this course and Journalism 1361.)

2301/SPCH 1315 Public Speaking (3-0). Planning, organizing, and delivering of general platform speeches and speeches for special occasions.

2311/SPCH 2335 Argument and Debate (3-0). Principles of argument and debate. Practice in preparing written and spoken arguments, with emphasis on principles of critical thinking.

2331/SPCH 2341 Oral Interpretation (3-0). Introduction to oral interpretation of literature; preparation and presentation of poetry, prose, story telling, and drama; analysis of literature; practice in phrasing, vocal quality, time, force, pitch, and bodily responses.

2344 Graphics, Layout, and Design (3-0). Creative and fundamental aspects of graphics typography, layout, design, and production of printed communication. Emphasis on both the theoretical and practical principles of design. (Credit may not be earned for this course and Journalism 2344.)

Prerequisite: Communication or Journalism 2345.

2345 Desktop Publishing (3-0). The use of computers to incorporate elements of design and layout into a variety of documents including brochures, newsletters, programs, magazines, and books. (Credit may not be earned for this course and Journalism 2345.)

2362/2303 Television Production (2-2). Operation and use of television production equipment; fundamentals of television production and direction. Students are exposed to a variety of TV production situations. (Credit may not be earned for this course and Journalism 2362.)

3311 Group Discussion (3-0). A course to develop skill in leading and participating in discussion groups of all kinds. Special emphasis on the nature of small groups and factors influencing communication in groups; training exercises in listening, perception and leadership; practice in problem-solving and learning discussions.

3321 Principles of Persuasion (3-0). An analysis and evaluation of various forms of attitudinal and behavioral control from propaganda to brainwashing. Emphasis on theories of attitude change as applied to modern institutions.

3331 Advanced Interpretation (3-0). Advanced work in the oral interpretation of literature.

Prerequisite: Communication 2331.

3335 Public Relations (3-0). Fundamentals of public relations with emphasis on the preparation of PR campaigns including news releases for various media, newsletters, and speeches. (Credit may not be earned for this course and Journalism 3335.)

3342 Advertising Principles (3-0). Fundamentals of advertising with an emphasis on the preparation of ads for print and broadcast media. (Credit may not be earned for this course and Journalism 3342.)

3351 Nonverbal Communication (3-0). A lecture-discussion-activity course focusing on non-verbal processes in human interaction.

3352 Interviewing (3-0). The study of the theory and practice of effective interviewing techniques. The course will examine information giving, information gathering, counseling, employment, and appraisal interviews. (Credit may not be earned for this course and Journalism 3352.)

3355 Intercultural Communication (3-0). Examines the influence of culture on communication from a national and international perspective. The course emphasizes increased awareness of one's own culture and a sensitivity to foreign cultures.

3361 Radio-Television Programming (2-2). Study of the programming function, analysis of programs, and implementation of effective program schedules.

Prerequisite: Advanced standing. (Credit may not be earned for this course and Journalism 3361.)

3363 Radio-Television News (2-2). A practical approach to the news story, specifically for radio and television. Lab experience is directed toward producing news stories for broadcast media.

Prerequisite: Advanced standing. (Credit may not be earned for this course and Journalism 3363.)

4101 Senior Seminar (1-0). A capstone course designed to provide a venue for discussion between faculty and students on various topics. Topics may include internet research, interviewing techniques, resume construction, and organizational behavior. The course will culminate in each student's presentation of a portfolio. (Credit may not be earned for this course and Drama/Journalism 4101).

*4311 Interpersonal Communication (3-0). Study of communication in dyadic and small-group settings with particular emphasis placed on self-concept theory, interpersonal perception, and communication barriers.

*4335 Advertising/Public Relations Campaigns and Cases (3-0). Case-method and campaign planning as they pertain to advertising and public relations administration. Emphasis on development of creative strategy and media selection.

Prerequisite: Communication 3335 or 3342. (Credit may not be earned for this course and Journalism 4335.)

* May be taken for graduate credit with permission of the Dean of the Graduate School.

4338 Communication Technologies (3-0). A survey of existing land line technologies, microwave relays, space transmissions, and the interfacing of computers, video and telephone technologies. Emphasis will be placed on evolving communication technologies. (Credit may not be earned for this course and Journalism 4338.)

*4351 Communication Theory (3-0). A critical examination of theories and research in communication. The course will focus on rhetorical, interpersonal, group, mass, and organizational communication theories.

*4355 Mass Media Effects and Ethics (3-0). An in-depth study of the impacts of mass media on a changing America including a study of the effects of mass media on government, demographic groups, and the military. The study of moral reasoning and ethical decision making as they relate to the mass media. (Credit may not be earned for this course and Journalism 4355.)

*4361 Directing Speech Activities (3-0). Planning, organizing, and evaluating speech activities, including public speaking, oral interpretation, debate, readers theatre, and discussion groups.

4364 Media Management (3-0). Management functions, advertising, sales, and internal organizational structure of media.

Prerequisite: Advanced standing. (Credit may not be earned for this course and Journalism 4364.)

4365 Advanced TV Production (2-2). Theories and techniques of producing, directing, and editing single and multi-camera productions; to include script writing, visualization, and personal management.

Prerequisite: Communication 2362 or Journalism 2362. (Credit may not be earned for this course and Journalism 4365.)

*4371 Organizational Communication (3-0). The theoretical investigation and practical application of organizational communication principles. Studies will focus on information processing and problem solving within organizations.

4379 Communication Internship. Students gain on-the-job experience by working in industry. Limited to advanced students majoring in Communication. Participants are selected on the basis of written applications submitted to the department head one semester in advance.

Prerequisite: Advanced standing.

4381 Special Topics (3-0). Selected topics in communication. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in communication.

Prerequisite: Junior standing.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

Bachelor of Arts (Drama major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Drama 1311, 1321.....	6
Drama 2331, 2334.....	6
Drama 3311, 4311, 4312, 4321	12
Drama (advanced)	12
OTHER REQUIREMENTS	
Communication 2301.....	3
Computer Literacy (Communication 2345 or Journalism 2345.....	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303,1311, 1312, 1321, 1332, 2331, 2332.....	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Humanities (English--an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
SUPPORTING CONCENTRATION	
Supporting Concentration	18
(Minimum six advanced semester hours in residence)	
ELECTIVES	
Electives	19-25

The above plan meets all core curriculum and Bachelor of Arts degree requirements.
The BA degree with a drama major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* See page 154 for modern language requirements.

Bachelor of Arts (Drama major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Drama 1311, 1321.....	6
Drama 2331, 2334.....	6

Drama 3334, 4311, 4312, 4321, 4341	15
Drama (advanced)	6
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Communication 2345 or Journalism 2345)	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, or physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field***	24-27
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a drama major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* Degree and certification standards may require the student majoring in drama to exceed the normal 130-semester-hour minimum for a baccalaureate degree, dependent upon the area chosen as a second teaching field.

** See page 154 for modern language requirements.

*** A minimum of 24 semester credit hours are required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses drama as a second teaching field must complete: Drama 1311, 1321, 2331, 2334, 3334, 4311, 4312, 4321, and 4341.

Elementary Teacher Certification: The student who chooses drama as an academic specialization for elementary teacher certification must complete: Drama 1311, 1321, 2331, and nine advanced semester hours.

COURSES IN DRAMA (DRAM)

1101 Dramatic Activities (0-3). Supervised laboratory assignments in areas of specialization. May be repeated for a maximum of four semester credit hours but may not be used to meet drama major or supporting concentration requirements.

1104/1120 Rehearsal and Performance (0-3). A program of activities to include participation in the cast and/or production staff of at least one dramatic production each semester. May be repeated for a maximum of four semester credit hours but may not be used to meet drama major or supporting concentration requirements.

1311/1310 Introduction to Dramatic Art (3-0). A historical survey of the development of dramatic art; introduction to contemporary theatre practice.

1321/1351 Acting (3-0). Study of acting techniques; vocal and physical training.

2331 Technical Production (3-0). Basic techniques in scene construction; technical drafting for the stage; survey of technical areas of concentration. Drama 1101 must be taken in conjunction with this course.

2334 Stage Lighting (3-0). Study of design principles and techniques of lighting for the stage. Drama 1101 must be taken in conjunction with this course.

3311 Dramatic Literature (3-0). A critical study of representative 20th century drama with emphasis on script analysis, dramatic theory, and stage production.

3320 Theatre Speech (3-0). Development of clear articulation and enunciation, correct pronunciation, proper vowel placement and control of the speaking voice through study and exercise specifically for the actor.

3321 Advanced Acting (3-0). Special projects in characterization and interpretation of roles; ensemble and repertory practice.

3331 Theatre Production Management (3-0). Management of the physical stage; production schedules; box office; public relations. Drama 1101 must be taken in conjunction with this course.

Prerequisite: Drama 1311, 1321.

3334 Scene Design (3-0). Basic techniques of scenery design; ground plans, renderings, elevations; perspective drawing.

Prerequisite: Drama 2331 or consent of instructor.

3341 Costume Design and Construction (3-0). Study of historical costume with emphasis on major cultures and historical periods. The nature and use of costume fabrics and sewing implements; cutting, with and without patterns; pattern-making and alteration; wardrobe management. Drama 1101 must be taken in conjunction with this course.

3352 Acting Styles (3-0). An exploration of special problems the actor encounters with dramatic texts from various historical periods. Plays, manners, customs, and movement characteristics of Greek, Elizabethan, French Neoclassical, and Restoration periods will be studied through scene work.

4101 Senior Seminar (1-0). A capstone course designed to provide a venue for discussion between faculty and students on various topics. Topics may include internet research, interviewing techniques, resume construction, and organizational behavior. The course will culminate in each student's presentation of a portfolio. (Credit may not be earned for this course and Communication/Journalism 4101.)

4311 History of Dramatic Art I (3-0). A historical study of the theatre from primitive times to the Eighteenth Century. Course includes an examination of the physical theatre, acting styles, costumes and scenery, representative plays, and theories of drama applicable to the various periods under consideration.

4312 History of Dramatic Art II (3-0). A historical study of the theatre from the Eighteenth Century to the present. Includes a study of the physical theatre, development of modern drama, acting styles, and theories of drama applicable to the various periods under consideration.

4314 Playwriting (3-0). Analysis of play structure. Each student will write a one-act play to demonstrate comprehension of the processes involved.

4321 Directing (3-0). Basic techniques of directing for the stage; scene interpretation; pictorial composition. Students direct and supervise production of short plays.
Prerequisite: Drama 3331.

4331 Stage Make-up (3-0). Basic techniques in the application of theatrical make-up, corrective, character, and nonrealistic types.

4341 Theories of Dramatic Production (3-0). A study of the essential elements of theatre production. Criteria for evaluating and selecting plays and the philosophy of performance theories.

4381 Special Topics (3-0). A course dealing with selected topics in drama. (May be repeated once for credit when topic varies.)
Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in drama.
Prerequisite: Junior standing.

Bachelor of Arts (Journalism major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Journalism 1301 or 1361, 1311	6
Journalism 2311, (and two other sophomore courses)	9
Journalism (specialization area or advanced)*	12
Journalism (advanced)	6
OTHER REQUIREMENTS	
Communication 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Journalism 2345	3
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, or physics)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
SUPPORTING CONCENTRATION	
Supporting Concentration	18
(Minimum six advanced semester hours in residence)	
ELECTIVES	
Electives	19-25

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a journalism major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* Journalism specialization areas are designed to provide students with the opportunity to focus their studies in a limited way in a particular area of the Journalism discipline. However, these specialization areas do not constitute separate academic majors or degree programs. The student who does not wish to select one of the specialization areas should take 12 semester hours of advanced Journalism courses.

Advertising and Public Relations: 3314, 3335, 3342, 4335

Corporate Communications: 3311, 3314, 4314, 4338

Print: 3311, 3313, 3314, 3352 or 4364

Radio-Television: 3361, 3363, 4338 or 4364, 4365

Visual Communication: 3322, 4314, 4322, 4325

** See page 154 for modern language requirements.

Bachelor of Arts

(Journalism major with secondary teacher certification)*

	Semester Hours
ACADEMIC MAJOR	
Journalism 1311, 1361, 2311, 2321, 2344	15
Journalism 3311, 3314, 3315, 4314, 4355, 4364	18
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Journalism 2345.....	3
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, or physics)	8
Physical Activity	1
Social Science (economics, geography, psychology sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field***	24-27
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a journalism major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Journalism as a Second Teaching Field. A student who chooses journalism for a second teaching field must complete: Journalism 1311, 1361, 2311, 2321, 2344, 3311, 3315, 4355, and 4364.

* Degree and certification standards may require the student majoring in journalism (with teacher certification) to exceed the normal 130-semester-hour minimum for a baccalaureate degree, dependent upon the area chosen as a second teaching field.

** See page 154 for modern language requirements.

*** A minimum of 24 semester-credit hours are required for the second teaching field, but some programs exceed the minimum.

COURSES IN JOURNALISM (JOUR)

1301/COMM 1307 Mass Media in America (3-0). A survey of media as an integrating force in American society. Emphasis is on newspapers, magazines, radio, television, film, advertising, and public relations.

1311 Writing for Mass Media (3-0). The fundamentals of purpose, context, voice, techniques, and structure for effective written and broadcast communication.

1361/COMM 1335 Introduction to Radio-Television (3-0). A survey of the components of the radio and television system in America including history, technical bases, programming, social implications, regulations, and economics. (Credit may not be earned for this course and Communication 1361.)

2311 Advanced Writing for Mass Media (3-0). Advanced elements of writing for mass media, including audience analysis, news evaluation, fact gathering, and information dissemination. Emphasis on techniques and procedures of writing for student publications or programs.

Prerequisite: Journalism 1311.

2321/COMM 1318 Photography (2-2). An introductory course in operating a 35mm camera and developing and printing black and white film.

2344 Graphics, Layout, and Design (3-0). Creative and fundamental aspects of graphics, typography, layout, design, and production of printed communication. Emphasis on both the theoretical and practical principles of design. (Credit may not be earned for this course and Communication 2344.)

Prerequisite: Communication or Journalism 2345.

2345 Desktop Publishing (3-0). The use of computers to incorporate elements of design and layout into a variety of documents including brochures, newsletters, programs, magazines, and books. (Credit may not be earned for this course and Communication 2345.)

2362 Television Production (2-2). Operation and use of television production equipment; fundamentals of television production and direction. Students are exposed to a variety of TV production situations. (Credit may not be earned for this course and Communication 2362.)

3311 Media Law (3-0). A study of statutory, administrative, and case law relevant to the First Amendment and U.S. print and broadcast media. Attention given to applicable Texas state law.

3313 Magazine and Feature Writing (3-0). Concepts and a practical approach to research, writing, and marketing of feature stories for magazines and newspapers.

Prerequisite: Journalism 2311 or approval of instructor.

3314 Editing for the Mass Media (3-0). Principles and practices in copy editing, photograph selection and editing, headline writing, use of the language, and news judgment.

3315 History and Principles of Journalism (3-0). A survey of the development of U.S. media with emphasis on American newspapers, magazines, radio, and television with attention to the latest technology of cable and satellite communications.

3317 Reporting Public Affairs (3-0). Investigation of and reporting from the many sources of public information which the reporter must cover.

Prerequisite: Journalism 2311. Strongly recommended: Government 2301 and 2302.

3322 Advanced Photography (2-2). A continuation of work started in 2321 with more advanced and more specific projects. Increased emphasis on print and negative quality. Advanced study of composition.

Prerequisite: Journalism 2321.

3335 Public Relations (3-0). Fundamentals of public relations with emphasis on the preparation of PR campaigns, including news releases for various media, newsletters, and speeches. (Credit may not be earned for this course and Communication 3335.)

3342 Advertising Principles (3-0). Fundamentals of advertising with an emphasis on the preparation of advertising for print and broadcast media. (Credit may not be earned for this course and Communication 3342.)

3352 Interviewing (3-0). The study of the theory and practice of effective interviewing techniques. The course will examine information giving, information gathering, counseling, employment, and appraisal interviews. (Credit may not be earned for this course and Communication 3352.)

3361 Radio-Television Programming. (2-2). Study of the programming function, analysis of programs, and implementation of effective program schedules. (Credit may not be earned for this course and Communication 3361.)

Prerequisite: Advanced standing.

3363 Radio-Television News (2-2). A practical approach to the news story specifically for radio and television. Lab experience is directed toward producing news stories for broadcast media. (Credit may not be earned for this course and Communication 3363.)

Prerequisite: Advanced standing.

4101 Senior Seminar (1-0). A capstone course designed to provide a venue for discussion between faculty and students on various topics. Topics may include internet research, interviewing techniques, resume construction, and organizational behavior. The course will culminate in each student's presentation of a portfolio. (Credit may not be earned for this course and Communication/Drama 4101).

4314 Publication Development and Production. (3-0). The publishing, production, and management of publications. Focus on creation, development, budgeting, content, layout, sales, and technical procedures. Students will participate in an individual or group project developing and producing a publication.

4322 Color Photography (2-2). An introduction to theory, materials, and processes.

Prerequisite: Journalism 2321.

4325 Digital Imaging (3-0). Introduction to the digital imaging process using the industry standard software. Course will include image capture, file formats, calibration, manipulation, composing, storage, and output of both black and white and color prints.

Prerequisite: Journalism 2344 or 4322.

4335 Advertising/Public Relations Campaigns and Cases (3-0). Case-method and campaign planning as they pertain to advertising and public relations administration. Emphasis on development of creative strategy and media selection. (Credit may not be earned for this course and Communication 4335.)

Prerequisite: Journalism 3335 or 3342.

4338 Communication Technologies (3-0). A survey of existing land line technologies, microwave relays, space transmissions, and the interfacing of computers, video and telephone technologies. Emphasis will be placed on evolving communication technologies. (Credit may not be earned for this course and Communication 4338.)

4355 Mass Media Effects and Ethics (3-0). An in-depth study of the impacts of mass media on a changing America including a study of the effects of mass media on government, demographic groups, and the military. The study of moral reasoning and ethical decision making as they relate to the mass media. (Credit may not be earned for this course and Communication 4355.)

4364 Media Management (3-0). Management functions, advertising, sales, and internal organizational structure of media. (Credit may not be earned for this course and Communication 4364.)

Prerequisite: advanced standing.

4365 Advanced TV Production (2-2). Theories and techniques of producing, directing, and editing single and multi-camera productions. To include script writing, visualization, and personnel management. (Credit may not be earned for this course and Communication 4365.)

Prerequisite: Communication 2362 or Journalism 2362.

4379 Mass Communication Internship. Students gain on-the-job experience by working in the industry. Limited to advanced students majoring in Journalism and Mass Communication with options in Print, Radio-TV, Advertising, Public Relations, and Photography. Participants are selected on the basis of written application submitted to the department head one semester in advance. (May be repeated once for credit for a maximum of 6 semester hours credit.)

Prerequisite: Advanced standing.

4381 Special Topics (3-0). Selected topics in journalism and mass communication. (May be repeated once for credit when topic varies.)

4391 Research. A specialized course which may be directed reading or research for superior students majoring in journalism.

DEPARTMENT OF ENGLISH

Professor and Head: James A. Moore
Professors: Allen, Dalrymple, Duarte, Holcomb, Reeves
Associate Professors: Ellery, Hartje, Stroh
Assistant Professors: Adams, Harbin, Kornasky, Schonberg, Wegner
Instructor: Christian

Bachelor of Arts (English major--130 semester hours)*

The English major requires a total of 36 semester hours, of which 24 must be advanced. The 24 advanced hours must include at least three hours from British literary period courses before 1800 (3301, 3302, 3303, or 3308), at least three hours from American literature courses, and three hours in language studies (4358 or 4361). English majors may choose to specialize in professional writing (see below*). For majors who do not seek specialization, English 4353 is strongly recommended along with courses that have a strong literature base.

	Semester Hours
ACADEMIC MAJOR	
English 1301, 1302, and sophomore literature	12
English (advanced)**	15
American Literature (advanced)	3
English 3301, 3302, 3303, or 3308.....	3
English 4358 or 4361 (advanced language studies)	3
OTHER REQUIREMENTS	
Communication 2301.....	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323 Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3

* English majors may specialize in professional writing by selecting the following courses from the major program: English 3351 or 3352; English 4341, 4343, 4358, or Drama 4314; English 4361; English 4373; and at least 12 hours of advanced literature courses, preferably with a strong writing component. Additional requirements for a writing specialization include the following courses, either as part of a supporting concentration or as electives: Journalism 1311; Journalism 3313 or 3314; and Communication/Journalism 2345. More generally, the total of 39 hours of elective and supporting concentration courses allowed in the English program may be used in conjunction with course work in other departments to plan a program in pre-law, business, or other professional areas. Students should work closely with advisors in respective major departments to plan a degree program that best fits individual needs and goals.

** Students may take either 3351 or 3352 for advanced credit - not both.

Visual and Performing Arts (art, drama, music) lower division.....3

Modern Languages 2311 (Spanish 2310 or 2311), 2312
 (also 1301, 1302 if necessary)***6-12

SUPPORTING CONCENTRATION

Supporting Concentration18

ELECTIVES

Electives28-34

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an English major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Supporting Concentration in English: Non-English majors who choose a supporting concentration in English may specialize in professional writing by selecting nine semester hours from the following courses: English 3351 or 3352; English 4341, 4343, or 4358; and English 4361.

*** See page 154 for modern language requirements.

Bachelor of Arts
(English major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Student Teaching Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

A major in English with secondary teacher certification requires a total of 36 semester hours, of which 24 must be advanced. The 24 advanced hours must include 6 hours of American literature, 3 hours of British literature before 1800 (3301, 3302, 3303, or 3308), 4320, 4358, and 4361, but may not include 3349, 3351, or 3352.

	Semester Hours
ACADEMIC MAJOR	
English 1301, 1302, and sophomore literature.....	12
English (advanced)	6
American Literature (advanced)	6
English 3301, 3302, 3303, or 3308.....	3
English 4320	3
English 4358	3
English 4361	3
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332.....	3

* Degree and certification requirements will sometimes exceed the 130-semester credit-hour minimum for a baccalaureate degree.

Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division.....	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)***	6-12
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field****	24
ELECTIVES	
Electives	1-7

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with an English major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

*** See page 154 for modern language requirements.

**** A minimum of 24 semester-credit hours is required for the second teaching field, but some programs exceed the minimum.

Secondary Teacher Certification: The student who chooses English as a second teaching field must complete 27 semester hours in English from the following: English 1301 or its equivalent, 1302, six semester hours of sophomore literature, and 15 advanced semester hours, of which at least three hours must be in American literature (not including English 3335), three hours in advanced language studies (4358 or 4361), and 4320. Students may not take 3349, 3351, or 3352 for advanced credit.

Elementary Teacher Certification: English as an academic specialization for elementary teacher certification requires: English 1301 or its equivalent, 1302, six semester hours of sophomore literature, and 12 advanced semester hours, including 3349.

ExCET Eligibility: To be eligible to take the Examination for the Certification of Educators in Texas (ExCET) in Secondary English, students must satisfy the applicable State and University minimum requirements as well as the following departmental requirements. Students must have completed English 4320 with a grade of C or better and must have satisfactorily completed the ExCET Preparation Workshop in Secondary English.

Developmental Program in English

ACT/SAT Requirements. A student admitted to the University who scores less than 17 on the English section of the American College Test (ACT) or less than 350 on the verbal section of the Scholastic Aptitude Test (SAT) or less than 430 on the Scholastic Assessment Test I (SAT I) will be required to enroll in English 130C, *Fundamentals of English*, during the initial enrollment period.*

A student enrolled in English 130C is also subject to the special provisions regarding class attendance and withdrawals for developmental courses (p. 145).

Completion of English 130C with a grade of *C* or better or an acceptable score on the English section of the ACT or the verbal section of the SAT shall be a condition for enrolling in a college-level English course.

TASP Requirements. A student who fails to meet the minimum passing standard on the reading and/or writing section of the TASP Test must enroll in an appropriate developmental program determined by the Department of English.* The student must be continuously enrolled in such developmental education until the program is successfully completed. A student may not enroll in a designated *B or Better Course* for reading and/or writing while participating in a developmental program required for TASP purposes. After a student successfully completes the prescribed developmental program, TASP requirements may then be satisfied by one of the options specified under Developmental Education (p. 151).

COURSES IN ENGLISH

Developmental Course

State regulations prohibit the use of credit in English 130C to fulfill degree requirements; however, the grade earned in this course is included in the computation of a student's grade point average.

130C Fundamentals of English (3-2). An intense study of the fundamentals of reading and writing that emphasizes concepts basic to both verbal skills. Students receive abundant practice in composition as well as in comprehension and analysis of selected readings. Satisfactory completion of this course shall be a condition for enrolling in English 1301. (Laboratory exercises will supplement classroom instruction. The amount of time required of students in the laboratory will depend on the level of deficiency.)

COLLEGE-LEVEL COURSES

The freshman college-level English program is designed to enable the student to achieve proficiency in composition. Proficiency at the college level may be demonstrated by satisfactorily completing English 1301 and 1302 or by achieving credit through examination and passing the writing and reading sections of the TASP test.

Completion of the proficiency requirement in composition is prerequisite to sophomore-level courses, and completion of six semester hours of sophomore English is prerequisite to advanced courses.

* The minimum ACT, SAT, SAT I, and TASP scores are subject to change without prior notice.

A student enrolled in English 1301 who, in the judgment of the faculty and administration, does not have the basic skills necessary for the successful completion of that course may be required to drop English 1301 and enroll in English 130C with the same provisions stated for that class.

1301/1301 English Composition (3-0). Emphasizing the writing process, the course offers abundant practice in producing effective prose essays as well as in analyzing and discussing selected readings.

Prerequisite: English 130C or an acceptable score on the English section of the ACT or the verbal section of the SAT.

1302/1302 Writing Across the Curriculum (3-0). A course in critical reading and writing across the curriculum, including the research process and the research paper.

Prerequisite: English 1301 or equivalent credit.

The sophomore literature requirement for all degree plans may be met by taking any of the five sophomore literature courses offered (2321, 2331, 2332, 2341, 2342). The courses may be taken in any sequence or any combination.

Satisfactory completion of English 1301 and 1302 or achieving credit through examination is prerequisite for any sophomore-level course.

2321 Forms of Literature (3-0). A study of literature, with emphasis on form and thematic content.

2331/2322 British Literature Before 1800 (3-0). Study of the principal authors, their works, and trends in the literature of Great Britain before 1800. Emphasis upon reading with comprehension and appreciation of literary structure and vocabulary. (Formerly English 2301.)

2332/2323 British Literature After 1800 (3-0). A study of the principal authors, their works, and trends in the literature of Great Britain since 1800. Emphasis upon reading with comprehension and appreciation of literary structure and vocabulary. (Formerly English 2302.)

2341/2332 World Literature Before 1600 (3-0). Critical reading from the literature of the ancient world, including classical Greece and Rome, the Middle Ages, and the European renaissance. Emphasis upon reading with comprehension and appreciation of literary structure and vocabulary.

2342/2333 World Literature After 1600 (3-0). Critical reading from writers of the seventeenth century and later. Writers may be from different cultures throughout the world. Emphasis upon reading with comprehension and appreciation of literary structure and vocabulary.

Satisfactory completion of six semester hours of sophomore English is prerequisite to advanced courses. (3000- and 4000-level courses).

3301 Early English Literature (3-0). Selected works of Chaucer or other significant literary figures before 1500. Emphasis on literature rather than on language.

3302 Literature of the Late English Renaissance (3-0). Major authors of the seventeenth century, with analysis of representative works.

3303 English Literature of the Enlightenment (3-0). Major authors of the eighteenth century, with analysis of representative works exclusive of the novel.

3305 The Romantic Poets (3-0). Romantic movement in England with emphasis upon major poets.

3308 Literature of the Early English Renaissance (3-0). Major authors of the sixteenth century, with analysis of representative works excluding Shakespeare's plays.

3309 Victorian Literature (3-0). Major English works of the Victorian period exclusive of the novel.

3331 Early American Literature (3-0). The development of American literature from Colonial times through the Civil War.

3332 Later American Literature (3-0). American literature since the middle of the nineteenth century with emphasis on the rise of Realism.

3335 American Folklore (3-0). Collecting, classifying, and analyzing folklore from American folk groups.

3339 Ethnic Contributions to American Literature (3-0). A study of the contributions of one or more ethnic groups. (May be repeated once for credit when topic varies.)

3341 Contemporary Literature (3-0). (May be repeated once for credit when topic varies.)

3342 Contemporary Poetry (3-0). Twentieth-century poetry.

3349 Children's Literature (3-0). History of children's literature. A study of pioneers in the field and the writers of the present day, with special help to the students in book and story selection for teaching in the elementary grades.

3351 Technical Writing (3-0). Study and practice in composition, including reports, memos, and letters, for majors in science, agriculture, engineering, and other technical fields. The course may include intensive use of computer skills, especially word processing and graphics.

Prerequisites: Sophomore literature; 45 semester credit hours.

3352 Business Communications (3-0). Study and practice in composition, including reports, memos, and letters, for majors in business fields. Use of computer skills, including word processing and graphics; oral presentations with video taping; skills assessment; employment procedures and interviewing; and research techniques.

Prerequisite: Sophomore literature.

4303 Shakespeare: The Early Plays (3-0). The early plays with emphasis on the comedies and histories.

4305 Shakespeare: The Later Plays (3-0). Shakespeare's later plays with emphasis on the great tragedies.

4306 The Eighteenth Century English Novel (3-0). The early development of the English novel, with analysis of representative novels.

4307 The Nineteenth Century English Novel (3-0). The development of the English novel through the nineteenth century, with analysis of representative novels.

4308 The Contemporary British Novel (3-0). Major authors and directions in British fiction in this century with analysis of representative novels.

4320 The Discipline of English (3-0). The study of English as a formal field, including composition principles, languages conventions, and literary genres.

Prerequisite: 90 semester credit hours, including 18 hours of English. Departmental approval.

4331 The Nineteenth Century American Novel (3-0). The development of the American novel prior to 1920. Emphasis on major authors.

4333 The American Novel Since 1920 (3-0). The development of the American novel after 1920.

4335 Comparative Literature (3-0). Non-English literature in translation. Emphasis may vary from semester to semester upon theme, genre, or national literature.

4336 Mexican American Literature (3-0). The literature of Mexican American authors in various genres.

4337 Women in Literature (3-0). A study of literary works by or about women.

4341 Fiction and Fiction Writing (3-0). A close study of the art of serious fiction writing. Analysis and criticism of student work.

4343 Poetry and Poetry Writing (3-0). A detailed study of the elements of poetry and a workshop on writing poems of high literary quality.

4353 Literary Criticism (3-0). A study of major critical theories.

4355 Film Criticism (3-0). A study of the cinema as an art form and an index to popular values.

4358 Advanced Composition (3-0). Advanced technique and practice in writing of exposition, argument, description and narration: advanced rhetorical forms and writing skills.

4361 English Grammar (3-0). Phonetics, structural and transformational grammar, and modern approaches to English grammar.

4363 History of the English Language (3-0). The growth and historical structure of the English language, with readings from the various periods of the language.

4373 The Professional Writer (3-0). Extensive study and practice of advanced writing skills. Strong emphasis on the diverse technological, analytical, creative, and research abilities essential for success as a writer. Explores the cultural roles of and professional opportunities for writers. Culminates in the assembly of a professional portfolio which the student can use in the search for internships and post-graduation employment. Capstone course--must be a senior to enroll.

4375 English as a Second Language (3-0). A study of principles of the English language for non-native users of English. Problems in reading, writing, and speaking will be emphasized.

4381 Special Topics (3-0). Selected topics in English. (May be repeated once for credit when topic varies.)

4391 Research. A specialized course which may be directed reading or research for superior students majoring in English.

DEPARTMENT OF GOVERNMENT

Professor and Head: Edward C. Olson
Distinguished Professor Emeritus: Henderson
Professors: Holland, Noelke
Associate Professors: Barbour, Garza, Hicks*, Jones
Assistant Professors: Edwards**, Levine, Perry

A student may complete the six-semester-hour requirement in federal and state government for a baccalaureate degree in any one of the following ways:

1. Successfully completing Government 2301 and 2302;
2. Achieving credit by examination for Government 2302 and successfully completing one of the following courses: Government 2301, 3303, 4301, 4302;
3. Successfully completing Government 2301 or 2302 and, with the approval of the Head of the Department of Government, one of the following courses: Government 3303, 4301, 4302;
4. Successfully completing, with the approval of the Head of the Department of Government, Government 3303 and either 4301 or 4302.

Bachelor of Arts

(Government major--130 semester hours)***

A major in government requires a total of 33 semester hours, of which 27 must be advanced. The 27 advanced hours must include Government 3301 and at least three semester hours from each of the first three areas and six semester hours from area four: (1) political theory (3331, 3332, 4331, 4332); (2) international relations and comparative political systems (3341, 3351, 4351, 4353, 4354); (3) public administration and public policy (3305, 4310, 4311); (4) American government (courses exclusive of those listed above).

	Semester Hours
ACADEMIC MAJOR	
Government 2301, 2302	6
Government 3301	3
Government 3331, 3332, 4331, 4332	3
Government 3341, 3351, 4351, 4353, 4354	3
Government 3305, 4310, 4311	3
Government (advanced American Government exclusive of those listed above)...	6
Government (advanced)	9

* Criminal Justice faculty.

** Philosophy faculty.

*** Students who are interested in public administration careers or in pursuing a graduate degree in public administration should use the electives in the government degree program to take the following courses: Communication 1351; Economics 2301, 2302; Psychology 2301; Sociology 2303, University Studies 2323; Accounting 2301, 2302, 3301. Also refer to the Government Internship section which follows.

OTHER REQUIREMENTS

Communication 2301.....	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
English 1301, 1302, sophomore literature	9
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics).....	8
Physical Activity courses	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)****	6-12
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
--------------------------------	----

ELECTIVES

Electives	25-31
-----------------	-------

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a government major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

**** See page 154 for modern language requirements.

Government Internship

Government internships are available to qualified junior and senior students who are majoring in government and have a minimum G.P.A. of 2.00. If the student is accepted as an intern, an appropriate advanced course designed to prepare the student for intern duties will be taken the semester preceding the internship. During the semester of the internship, duties will be performed in an approved government or political agency, for which six semester hours of credit (Government 4671) will be received. The student will intern under the supervision of a member of the government faculty, and the work will involve a combination of practical work and research. The six semester hours of credit received for the internship will be in addition to the regular requirement of 33 semester hours for a major in government. Application for the internship program must be made the semester before the advanced preparation course is taken. The applications can be obtained in the office of the Department of Government.

Bachelor of Arts

(Government major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Government 2301, 2302	6
Government 3301	3
Government 3331, 3332, 4331, 4332	3
Government 3341, 3351, 4351, 4353, 4354	3
Government 3305, 4310, 4311	3
Government (advanced American Government exclusive of those listed above)...	6
Government (advanced)	9
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323	3
English 1301, 1302, sophomore literature	9
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity courses	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field***	24
ELECTIVES	
Electives	0-3

* Degree and teacher certification requirements often will exceed the normal 130-semester-hour minimum for a baccalaureate degree.

** See Page 154 for modern language requirements.

*** A minimum of 24 semester hours is required for the second teaching field, but some programs exceed the minimum.

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a government major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Secondary Teacher Certification. The student who chooses government as a second teaching field must complete: Government 2301, 2302, and seven advanced courses including at least one course from each of the first three areas required for government majors and two courses from area four.

Social Studies as a Secondary Composite Teaching Field. A student who chooses Social Studies as a composite teaching field must complete the following: Economics 2301, 3331; Geography 2301, and either 3302 or 3303; Government 2301, 2302, and 12 advanced semester hours of government; History 1301, 1302, 2331, 2332, 3301 or 4302, six semester hours of advanced U.S. history (excluding 3301 and 4302), and nine advanced semester hours of non-U.S. history.

Pre-Law

A student preparing for law school should complete a baccalaureate degree. A major in government provides excellent pre-law preparation though numerous other majors are acceptable to most law schools. A pre-law student wishing to major in government should consult the Government Department's pre-law advisor, Mr. Jerry Perry, to be advised on the selection of a supporting concentration and electives.

COURSES IN GOVERNMENT (GOVT)

2301/2301 Federal and State Government (3-0). A study of the constitution and organization of agencies in the United States and Texas governments integrating the study of comparable agencies on both levels. Designed to fulfill certification requirements for prospective teachers as required by Texas law.

2302/2302 Federal and State Government (3-0). A study of the functions of the various agencies in federal, state, and local governments. Court systems, foreign affairs, taxation, finance, city and county governmental functions, and other subjects are covered.

3301 Scope and Methods (3-0). An overview of the major questions in the various social sciences that includes a principal focus on the fields of political theory, American, comparative and international politics. The course will also survey the major sources of social science information as well as the methods used to evaluate this information. (Required for all government majors except those in the criminal justice option program.) (Credit may not be earned for this course and Sociology 3301.)

3302 American Political Parties (3-0). A study of the development of the party system in the United States, with emphasis on present-day operations, including such points as nominating techniques, political campaigns and elections, organizational elements, and party finance.

3303 State and Local Government (3-0). A general study of various principles and elements involved in state and local governments, with special consideration shown to federal-state relations, state constitutions, municipal charters, and administrative problems.

3305 Public Administration (3-0). A study of the fourth branch of government; its organization, personnel, finance, and methods of policy formation, with an analysis of problems accompanying an expanding bureaucracy.

3307 The Legislative Process (3-0). An in-depth analysis of the legislative process on both the national and state levels.

3311 American Political Culture (3-0). A study of the cultural context of American politics, the development and transmission of political attitudes and values, and the role of public opinion in the political process. (Credit may not be earned for this course and Sociology 3310.)

3313 American Campaigns, Elections, and Voting Behavior (3-0). An in-depth examination of the electoral process in the United States including analysis of the theoretical and practical importance of elections in the policy-making process, the techniques of professional campaign management and American voting behavior.

3314 The American Presidency (3-0). An in-depth examination of the presidency's role in the American government. Emphasis will be given to questions of presidential power, style, and performance in the formulation and implementation of foreign and domestic policy. Other topics considered include psychological interpretations of the presidency, impeachment, and presidential selection and accountability.

3331 Development of American Political Theory (3-0). A study of eighteenth and nineteenth century classical theorists and their influence upon the development of American political theory. A very brief survey of the development of classical theory from Greece to the eighteenth century will precede the study.

3332 Development of American Political Theory (3-0). A continuation of Government 3331.

3341 Comparative Political Systems (3-0). A comparative study of modern post-industrial societies and the third world. The course content will alternate between the analysis of the major political systems in Europe and the study of developing areas such as Africa, Asia, and Latin America. (The course may be repeated once for credit when the topic varies.)

3351 International Relations (3-0). A study of international relations since World War II, which examines changing global economic and political systems and important contemporary international issues.

3361 Judicial Process and Behavior (3-0). A study of the judicial process, judicial personnel (including judges, prosecutors, and defense attorneys), judicial reasoning and behavior, and the impact of judicial activity. Although some attention will be directed to appellate courts (both national and state), the primary emphasis will be on trial courts.

*4301 American Constitutional Law (3-0). An analysis and interpretation, primarily through case studies, of judicial decisions leading to the development of constitutional principles of judicial review, separation of powers, federalism, implied powers, taxation, and commerce.

*4302 American Constitutional Law (3-0). An analysis and interpretation, primarily through case studies, of judicial decisions leading to the development of constitutional rights, with particular emphasis on political, procedural, civil, and personal liberties.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

4310 Government and the Economy (3-0). A course which focuses on the changing role of government in the American political economy. It examines the structure and ideological underpinning of the private enterprise system in the context of American history. Throughout this analysis, the course emphasizes the constant interplay between corporate and government decision making.

4311 Urban Problems and Public Policy (3-0). A study of issues and research areas in selected urban problems and the development of public policy in response to these problems. (Credit may not be earned for this course and Sociology 4311.)

*4331 European Political Theory I (3-0). A chronological survey of western political thought from the early Greek philosophers to the eighteenth century.

*4332 European Political Theory II (3-0). A chronological study of western political thought from the eighteenth century to the present.

4351 United States Foreign Policy (3-0). An examination of the processes of formulating and conducting United States foreign policy, the factors that influence foreign policy, and the objectives and instruments of such policy.

4353 International Relations of the Western Hemisphere (3-0). A study of the evolving international relations in the Western Hemisphere, especially with regard to political, economic, and security issues pertinent to U.S. foreign policy and foreign relations in the region.

4354 International Relations of Europe (3-0). A study of the evolving international relations of Europe in the post-World War II era with particular attention given to contemporary political, economic, and security issues of the region.

*4381 Special Topics (3-0). A course dealing with selected topics in government. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for exceptional students majoring in government.

4671 Internship in Government. The student will be assigned to work in a unit of government. A research paper dealing with the internship experience written under the direction of a faculty member will be required.

Prerequisites: Government major, junior/senior status, and departmental approval.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

Bachelor of Arts

(Government major with Criminal Justice Option and supporting concentration
in psychology and sociology--130 semester hours)

The criminal justice option requires 27 semester hours in criminal justice courses of which six semester hours must be advanced and in residence.

The program requires 30 semester hours of government of which 24 semester hours must be at the advanced level. Students must complete successfully 12 semester hours from the following government courses: 3303, 3305, 3307, 3361, 4301, 4302, 4311. The other 12 advanced semester hours in the major may be earned in any advanced courses offered by the Department of Government.

Students in the criminal justice option program will select a supporting concentration in psychology and sociology consisting of courses in these disciplines which are of particular relevance to the criminal justice field. Spanish is the designated modern language in the criminal justice option program.

	Semester Hours
ACADEMIC MAJOR	
Government 2301, 2302	6
Government 3303, 3305, 3307, 3361, 4301, 4302, 4311	12
Government (advanced)	12
CRIMINAL JUSTICE OPTION	
Criminal Justice 2302, 2304, 2306, 2308, 2310, 2312, 2314	21
Criminal Justice (advanced)	3
Criminal Justice 4371 (Internship)	3
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (select one of the following: Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, sophomore literature	9
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)	8
Physical Activity courses	1
Visual and Performing Arts (art, drama, music) lower division	3
Spanish 2310 or 2311, 2312 (also 1301, 1302 if necessary)*	6-12
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
SUPPORTING CONCENTRATION IN PSYCHOLOGY AND SOCIOLOGY	
Psychology 2301	3
Psychology 3307, 3309, 4301, 4305	3
Sociology 2301, 3341, 3343, 4341	12
ELECTIVES	
Electives	3-7

* See Page 154 for modern language requirements.

The above plan meets all core curriculum and Bachelor of Arts degree requirements.

The BA degree with a government major (criminal justice option) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

COURSES IN CRIMINAL JUSTICE (C J)

2302/1301 Introduction to Criminal Justice (3-0). Topics for this course include history and philosophy of criminal justice and ethical considerations, crime defined, its nature and impact, overview of criminal justice system, prosecution and defense, trial process, corrections.

2304/1307 Crime in America (3-0). Topics in this course include American crime problems in historical perspective, social and public factors affecting crime, impact and crime trends, social characteristics of specific crimes, prevention of crime.

2306/1310 Fundamentals of Criminal Law (3-0). Topics for this course include a study of the nature of criminal law, philosophical and historical development, major definitions and concepts, classification of crime, elements of crimes and penalties using Texas statutes as illustrations, criminal responsibility.

2308/1306 The Courts and Criminal Procedure (3-0). Topics for the course include the judiciary in the criminal justice system, right to counsel, pre-trial releases, grand juries, adjudication process, types and rules of evidence and sentencing.

2310/2314 Criminal Investigation (3-0). Topics for the course include instruction on investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.

2312/2328 Police Systems and Practices (3-0). Topics for the course include instruction on the police profession, organization of law enforcement systems: The police role; police discretion; ethics; police-community interaction; current and future issues.

2314/2323 Legal Aspects of Law Enforcement (3-0). Topics for the course include instruction on police authority, responsibilities, constitutional restraints: Law of Arrest; Search and Seizure; Police Liability.

3310 Criminal Justice Process (3-0). An in-depth examination of the various components of the criminal justice system as a process. Topics include legislation and crime, the police, constitutional limits on investigation and apprehension, the role of prosecuting and defense attorneys, bail and preventive detention, processes relating to the guilty plea, and the function of the criminal trial and the correctional process. Requires junior standing and the completion of the law enforcement transfer curriculum.

4350 Seminar on Police Problems (3-0). An examination of the most important obstacles encountered by American law enforcement with emphasis upon professional shortcomings. Relies heavily upon guided independent student problem identification, research, analysis, and the formulation of recommendations. Requires completion of the law enforcement transfer curriculum and senior standing.

4360 Police Personnel Management (3-0). An examination of the present dimensions and future trends of police personnel management with special emphasis on employee development programs, performance appraisal, discipline, and labor relations, including collective bargaining and police unions.

4371 Internship in Law Enforcement. A participant-observation course arranged with local law enforcement or criminal justice agencies entailing a minimum of 100 hours of field experience. Designed to familiarize students with the application of knowledge gained in coursework and with operations and problems of agencies. Students must have completed each of the seven courses comprising the law enforcement transfer curriculum with a grade of C or better and be officially pursuing the criminal justice option as a government major. Requires senior standing with registration priority for those completing their final semester. May not be used to satisfy advanced coursework requirements for a supporting concentration in criminal justice.

4381 Special Topics (3-0). A course dealing with selected topics in the criminal justice field. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

OTHER COURSES SUPPORTING CRIMINAL JUSTICE OPTION

Sociology 3341	Juvenile Delinquency (3-0)
Sociology 3343	Criminology and Penology (3-0)
Sociology 4341	Social Deviance and Social Control (3-0)
Spanish 2321	Spanish for Law Enforcement Personnel (3-0)
Psychology 3309	Organizational Psychology (3-0)
Psychology 4301	Personality (3-0)
Psychology 4305	Abnormal Psychology (3-0)



Elective Courses in Philosophy

Assistant Professor: Edwards

Angelo State University has no degree program in philosophy. However, it does offer philosophy courses which may be used to fulfill the humanities requirement in all College of Liberal and Fine Arts programs except in history and as a non-advanced elective in any program.

Why is philosophy good for you? Philosophy is an activity - an effort to ask and attempt to answer all the great questions of life: Does God exist? What kind of person should I be? What makes anything right or wrong? What is the meaning of life? As one philosopher put it, "Philosophy is primarily concerned with what there is in the world, and with what we ought to do about it". Philosophical training will improve your ability to think clearly and to conduct analysis and to evaluate arguments of all kinds.

COURSES IN PHILOSOPHY (PHIL)

2301/1301 Introduction to Philosophy (3-0). Problems in interpretation of the nature of knowledge, reality, and value.

2311/2306 Ethics (3-0). A study of the way in which past and present philosophers have dealt specifically with the question of value.



DEPARTMENT OF HISTORY

History, Geography

Professor and Head: Charles A. Endress

Professors: DeLeon, Eoff, Hindman, Lehmann, V. Noelke, Pate, Ward, Wheeler

Assistant Professor: Siekmeier, Zheng

Distinguished Professors Emeritus: Bob C. Holcomb, H. Dempsey Watkins

Bachelor of Arts

(History major--130 semester hours)

A major in history requires a total of 30 semester hours of which nine semester hours should be in the field of American history, exclusive of survey courses, and nine semester hours outside American history, exclusive of European survey courses.

	Semester Hours
ACADEMIC MAJOR	
History 1301 and 1302.....	6
History 2331 and 2332.....	6
Advanced United States History.....	9
Advanced non-United States History	9
OTHER REQUIREMENTS	
Communication 2301.....	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
English 1301, 1302, and sophomore literature.....	12
Government 2301, 2302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332.....	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
Geography (in addition to any social science selection above)	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	25-31

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* Refer to the BA degree requirements for the Modern Languages on page 154.

Bachelor of Arts

(History major with secondary teacher certification)*

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
History 1301, 1302	6
History 2331, 2332	6
History 3301, 4302	3
History 4350	3
Advanced U.S. History (excluding 3301, 4302, & 4350)	6
Advanced non-United States History	9
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	12
Government 2301, 2302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
Geography 3303	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field	24-27
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* Degree and certification requirements will sometimes exceed the 130-semester-credit-hour minimum for a baccalaureate degree.

** See page 154 for modern language requirements.

Secondary Teacher Certification. A student who chooses history as a second teaching field must complete: History 1301, 1302, 2331, 2332, and 15 advanced semester credit hours (to include either 3301 or 4302 but not both; and at least three semester hours of non-U.S. history and History 4350). The student must also take Geography 3303.

Social Studies as a Composite Teaching Field. A student who chooses Social Studies as a composite secondary teaching field must complete the following: Economics 2300, 3331; Geography 2301 and either 3302 or 3303; Government 2301, 2302, and 12 advanced semester hours of government; History 1301, 1302, 2331, 2332, 3301 or 4302, six semester hours of advanced U.S. history (excluding 3301 and 4302), and nine advanced semester hours of non-U.S. history. History 4350 is highly recommended.

Elementary Teacher Certification. A student who chooses history as an academic specialization for elementary teacher certification must take History 1301, 1302, 2331, 2332, and nine advanced semester hours of history to include either 3301 or 4302 but not both; Geography 2301, 3302, or 3303. History may not be chosen as an academic specialization with an interdisciplinary social studies major.

Social Studies as an Academic Specialization for elementary teacher certification requires Economics 2300, 3331; Geography 2301 and either 3302 or 3303; Government 2301, 2302; History 1301, 1302, 2331, 2332, and 3301 or 4302.

Bachelor of Arts

(History major with secondary composite social studies certification
130 semester hours)

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
History 1301, 1302	6
History 2331, 2332	6
History 3301 or 4302.....	3
History 4350	3
Advanced U.S. History (excluding 3301, 4302, & 4350)	6
Advanced non-United States History	9
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature.....	12
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	1
Visual and Performing Arts (art, drama, music) lower division.....	3

Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
---	------

PROFESSIONAL EDUCATION

Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3

SECOND TEACHING FIELD

Government 2301, 2302	6
Government (advanced)	12
Economics 2300	3
Economics 3331	3
Geography (select two: 2301, 3302, or 3303)	6-12

ELECTIVES

Electives	3-9
-----------------	-----

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a history major (with secondary composite social studies certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* See page 154 for modern language requirements.

COURSES IN HISTORY (HIST)

1301/1301 History of the United States to 1865 (3-0). A general survey of American development through the period of the Civil War.

1302/1302 History of the United States, 1865 to Present (3-0). A survey of American development from reconstruction to the present, with emphasis on America in world affairs.

2331/2311 History of Western Civilization to 1660 (3-0). Western civilization before 1660. A study of the antecedents of modern institutions, including the political history of the period.

2332/2312 History of Western Civilization after 1660 (3-0). Western civilization from 1660 to the present, with emphasis on the background of present-day political, economic, and social issues.

3301 History of Texas (3-0). Texas from the earliest Spanish explorations to the present, with special emphasis given to Anglo-American settlement, the Revolution, the formation of the Republic, annexation, and early statehood.

3302 American Colonial History, 1690-1789 (3-0). American history from the Glorious Revolution in England to the Articles of Confederation, stressing increasing maturity of the colonies, the conflicts within the British Empire leading to the American Revolution, and the foundations of the nation during the Confederation period.

3303 The Young Republic, 1789-1837 (3-0). American history from the formation of the Federal Constitution through the presidency of Andrew Jackson. Emphasis will be placed on the establishment of the federal government, the appearance and development of political parties, the War of 1812, the emergency of nationalism and sectionalism after 1815, and the dominant personalities of the era.

3305 The Era of the Civil War and Reconstruction, 1837-1877 (3-0). The history of the United States from 1837 to 1877, emphasizing the sectional controversies culminating in the Civil War; the cause of the war; and the issues and developments which follow in Reconstruction.

3306 Emergence of Modern America, 1877-1919 (3-0). American history from the end of Reconstruction to our emergence as a world power, with detailed emphasis given to the growth of modern capitalism and such related topics as labor, agriculture, immigration, and urbanization.

3331 Classical Civilizations (Greece and Rome) (3-0). The development of Greek and Roman civilizations, with some attention shown to other contemporary ancient states.

*3335 Renaissance and Reformation (3-0). Major developments in Europe from about 1450 to 1648, focusing on the humanist Renaissance, and Protestant Reformation, the Catholic reform movement, and the conflict of Protestants and Catholics through the Thirty Years War of 1618-1648. (Credit may not be earned for this course and for History 3332.)

3336 Absolutism and Enlightenment: Europe, 1648-1788 (3-0). Major themes are political conflict in England, absolute monarch in France under Louis XIV, the Scientific Revolution, conflict for world empire between France and Britain, and the revolutionary thought of the Enlightenment. (Credit may not be earned for this course and for History 4331.)

3340 English History to 1714 (3-0). An examination of major political, constitutional, economic, and social developments in English history from Celtic origins to the Hanoverian succession, with special emphasis on the medieval and Tudor-Stuart periods.

3341 English History After 1714 (3-0). An examination of major political, economic, and social developments from 1714 to the present. Primary emphasis will be on political and social reform, Britain as a world and imperial power, and Britain's role in post-Cold War Europe.

3351 Spanish Colonial America (3-0). Latin-American history from Columbus to Bolivar, including an examination of the permanent influences of Spanish institutions and the Indian heritage on political, social, and cultural developments.

3362 The Mexican-American in American History (3-0). An intellectual, social, economic, and political study of the Mexican-American in the United States with particular emphasis on Mexican background, discrimination, and the struggle for equality.

3370 East Asia to 1800 (3-0). An overview of East Asia from its antiquity to 1800 with an emphasis on the political, cultural and social history of China, Japan, and Korea.

3371 East Asia Since 1800 (3-0). A comparative study of East Asia, China, Japan, and Korea from 1800 to the present, including the three nations' last stages of feudalism; their different roads towards modernization; and their interaction and function in world affairs throughout the period.

4302 The American West (3-0). A cultural history of America's frontier experience, with special emphasis on the Trans-Mississippi West in the nineteenth century.

* May be taken for graduate credit with permission of the Head of the Department and the Dean of the Graduate School.

*4303 Normalcy, Depression, and the New Deal, 1919-1945 (3-0). An intellectual, social, economic, and political study of America in the 1920 s, the Great Depression, the New Deal, and World War II.

*4304 Contemporary America, 1945-Present (3-0). Post World War II America, including the intellectual, political, and economic developments as well as the development of American foreign policy.

4310 America's Cultural Heritage (3-0). A study of the American people, their ideas, and achievements. This course explores important themes which help develop a better understanding of the American heritage.

4323 U.S. Diplomatic History (3-0). An examination of key events in U.S. diplomatic history as well as significant trends from colonial-revolutionary times to the present. (Credit cannot be earned for this course and either History 4321 or 4322.)

4325 Indians of North America (3-0). A general survey of the pre-history, culture, and historical experience of American Indians living north of Mexico.

*4330 The Middle Ages (3-0). Europe from the collapse of the Roman Empire to the eve of the Renaissance with particular focus on feudalism, the empire of Charlemagne, the high and late medieval church, the construction of high medieval monarchy, and the Hundred Years War.

*4333 Recent European History Since 1918 (3-0). An examination of twentieth century European political organization, international relations, economic developments, and culture. Topics to be highlighted include the Great Depression, Totalitarianism, World War II, European unification, the Cold War, and the disintegration of the Soviet Union.

4335 Revolutionary Europe, 1789-1850 (3-0). A study of the French Revolution, the Napoleonic Empire, the Restorations through the Revolutions of 1848, and the emergence of such new ideologies as nationalism, conservatism, liberalism, socialism, and Romanticism. (Credit may not be earned for this course and for History 3334.)

*4336 Age of Nationalism: Europe, 1850-1918 (3-0). A study of late 19th century Europe with special attention being given to the unification of Italy and Germany, the development of representative government, and the urbanization and industrialization of European society. The course will culminate in an analysis of the First World War. (Credit cannot be earned for this course and for History 4332.)

*4340 World History Since 1945 (3-0). An examination of global interaction since World War II. Topics of study will include the Cold War, post-colonialism and the dynamics of modernization, international cooperation and regional conflicts, the development of an integrated world economy and related ecological issues among others.

4341 History of Russia (3-0). The political, economic, social, and cultural history of Russia in the 19th and 20th centuries with particular emphasis on the Soviet era. Only general attention given to earlier Russian history.

*4350 Themes in United States History (3-0). This is the capstone to the history program. It provides an in-depth examination of fundamental themes of United States history for advanced students. Topics will include constitutional and political development; the frontier experience and regional conflict; emigration and ethnicity industrialization and urbanization, and the U.S. as a world power among others. This course is required for all students seeking secondary teacher certification in history.

* May be taken for graduate credit with permission of the Head of the Department and the Dean of the Graduate School.

*4351 Mexico Since Independence (3-0). Mexican national history from 1823 to the present, detailing the political, economic, and cultural trends since independence and emphasizing United States-Mexican relations.

4355 The Latin American Republics Since 1809 (3-0). A study of the social, economic, and political factors which have shaped the development of the Latin American Republics since 1809.

4360 Topics in Latin American History (3-0). A seminar in selected topics covering the history of Latin America from the colonial era to the present. (May be repeated once for credit when the topic varies.)

*4361 Topics in Military History (3-0). A study of war in different historical epochs. The course will analyze combat and the evolution of military technique within the broad cultural context of political, economic, social, and intellectual factors. (May be repeated once for credit when topic varies.) (If the topic is World War I or World War II, credit cannot be received for History 6362 or History 6363, respectively.)

*4362 Topics in Asian History (3-0). A seminar in selected topics covering Asian History from the ancient to the present. (May be repeated once for credit when the topic varies.)

4371 Internship in History. The student will participate in work and on-the-job training at a historic site, museum, or other appropriate organization. A research paper dealing with the internship experience, written under the direction of a faculty member, will be required. The internship is limited to history majors. Registration allowed only after selection by the History Department made upon written application in the semester prior to placement. See department head for details.

4381 Special Topics (3-0). A course dealing with selected topics in history. (May be repeated once for credit when topic varies.)

4391 Research. A specialized course of directed reading or research for superior students majoring in history. Must have departmental approval to register.

* May be taken for graduate credit with permission of the Head of the Department and the Dean of the Graduate School.

COURSES IN GEOGRAPHY (GEOG)

2301/1301 Physical Geography (3-0). A geography of the earth with a survey of its atmosphere, oceans, landforms, and environmental regions.

3302 Human Geography (3-0). A study of human interaction with the earth's natural environments considering the earth as the setting for human physical and cultural evolution.

3303 World Regional Geography (3-0). A survey of major world regions focusing on their distinctive physical and cultural characteristics and the role of each region in the world.

DEPARTMENT OF MODERN LANGUAGES

French, German, Linguistics, Russian, Spanish

Professor and Head: Edith H. Krause

Professors: Devereaux, Dutton

Associate Professor: Muelsch

Assistant Professor: Onofre-Madrid

Instructors: Davis, O'Dell

Professor Emeritus: Otto W. Tetzlaff

A student who is initiating the study of a modern language at the University will normally begin with French, German, Russian, or Spanish 1301, and the student who has had previous language experience in any one of these languages may wish to attempt to earn credit by examination for French, German, Russian, or Spanish 1301, 1302, 2311, (Spanish 2310 or 2311), and 2312.

Credit for French, German, Russian, or Spanish will be allowed if the student has not previously earned semester credit hours for any course in the same language. Should credit by examination be awarded for any one of these courses, the student would then want to continue study in the next appropriate course. Only the first four courses are offered in the Russian language, and no advanced level courses in Russian are offered.

Completion of 1301, 1302, 2311, (Spanish 2310 or 2311), and 2312 is required, unless proficiency is demonstrated by examination or otherwise, before registering for advanced level courses in any of the foreign languages.

All students graduating with a degree in Modern Languages will take a taped oral and a written examination during their final semester. The oral exam will be a proficiency exam that does not test knowledge of facts, but rather the ability to communicate in the target language. The written examination will consist of a multiple choice test on language, literature and culture, and a composition in the target language.

Bachelor of Arts

(French, German, or Spanish major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
French, German, or Spanish 1301, 1302, 2311, (Spanish 2310 or 2311), 2312 ...	12
French, German, or Spanish*(advanced)	18
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3

* The student must complete two courses selected from Spanish 3311, 3312, 3313, and 3315; two courses selected from 3314, 3332, 3333, 4381; and two courses selected from Spanish 3321, 3323, 3325, and 3327.

Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3

SUPPORTING CONCENTRATION

Supporting Concentration	18
--------------------------------	----

ELECTIVES

Electives	34
-----------------	----

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a French, German, or Spanish major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Bachelor of Arts

(French major with secondary teacher certification--130 semester hours)

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
French 1301, 1302, 2311, 2312.....	12
French 3311	3
French (advanced).....	15
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323).....	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332.....	3
Natural Science (two lab sciences from biology, chemistry, geology, physics, physical science).....	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
PROFESSIONAL EDUCATION	
Education 4321,4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3

SECOND TEACHING FIELD

Second Teaching Field24

ELECTIVES

Electives10

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a French major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Secondary Teacher Certification: A student who chooses French for a second teaching field must complete: French 1301, 1302, 2311, 2312, 3311, and nine advanced semester hours.

Elementary Teacher Certification: A student who chooses French as an academic specialization for elementary teacher certification must complete: French 1301, 1302, 2311, 2312, 3311, and six advanced semester hours.

Students seeking teacher certification will work closely with faculty in their preparation for the ExCET exam and TOPT (Texas Oral Proficiency Test) in French.

COURSES IN FRENCH (FREN)

1301/1311 Beginning French I (3-0). An intensive oral-aural drill for students who have had no previous instruction in French. Emphasis on accuracy of pronunciation, mastery of the essentials of French structure, and the acquisition of basic conversational and reading skills.

1302/1312 Beginning French II (3-0). A sequel to French 1301.

2311/2311 Conversation, Composition, and Reading in French (3-0). Introductory studies in French literature and culture; emphasis on syntax, composition, speaking, and comprehension.

Prerequisite: French 1301/02 or equivalent.

2312/2312 Conversation, Composition, and Reading in French (3-0). A sequel to French 2311.

Prerequisite: French 1301/02 or equivalent.

3311, 3312 Advanced French Grammar, Conversation, and Composition (3-0). Designed to develop the student's comprehension of oral and written French and includes extensive reading in French civilization.

Prerequisite: French 2312 or equivalent.

3323 French Literature of the Seventeenth and Eighteenth Centuries (3-0). Development and character of French classicism and the origins of Romanticism.

3332 French Civilization (3-0). A survey of the cultural institutions of France, its geography, industries, cities and provinces, government, education, and lifestyle. Designed to provide a better understanding of the French people and their culture.

4321 French Romanticism and Realism of the Nineteenth Century (3-0). The flowering of Romanticism and the beginnings of Realism.

4327 Contemporary French Literature (3-0). Trends in the contemporary French novel. The literature of action, existentialist fiction, and the new novel.

4381 Special Topics (3-0). Selected topics in French. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in French.

Bachelor of Arts

(German major with secondary teacher
certification--130 semester hours)

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
German 1301, 1302, 2311, 2312	12
German 3311	3
German (advanced)	15
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field	24
ELECTIVES	
Electives	3

The above plan meets all core curriculum and Bachelor of Arts degree requirements. The BA degree with a German major (with teaching certification) requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Secondary Teacher Certification: A student who chooses German for a second teaching field must complete the following courses: German 1301, 1302, 2311, 2312, 3311, and nine advanced semester hours.

Elementary Teacher Certification: A student who chooses German as an academic specialization for elementary teacher certification requires: German 1301, 1302, 2311, 2312, 3311, and six advanced semester hours.

Students seeking teacher certification will work closely with faculty in their preparation for the ExCET exam in German.

COURSES IN GERMAN (GER)

1301/1311 Beginning German I (3-0). An intensive oral-aural drill for students who have had no previous instruction in German. Emphasis will be placed on accuracy of pronunciation, mastery of the essentials of German structure, and the acquisition of basic conversational and reading skills.

1302/1312 Beginning German II (3-0). A sequel to German 1301.

2311/2311 Conversation, Composition, and Reading in German (3-0). Introductory studies in German literature and culture which continue the emphasis on syntax, composition, speaking, and comprehension.

Prerequisite: German 1301/02 or equivalent.

2312/2312 Conversation, Composition, and Reading in German (3-0). A sequel to German 2311.

Prerequisite: German 1301/02 or equivalent.

2391 Studies in German (3-0). Individual instruction for the student whose language needs cannot be met in an organized sophomore level (2311/2312) language course. Reading materials and exercises will be selected from areas of the student's specialization.

3311 Advanced Conversation and Composition (3-0). Designed to strengthen total command of the language.

3331 German Civilization (3-0). A survey of the cultural institutions of Germany designed to provide a background for a better understanding of the German people and their literature.

3341 German Literature from the Beginning to 1750 (3-0). A survey course of highlights in German literature for that period.

3342 German Literature from 1750 to the Present (3-0). A survey of literary tradition, authors, and major literary works.

4341 Modern German Novel and Short Story (3-0). Intensive study of the novel and the short story: works of fiction that serve as exponents of new literary developments and are representative of life and thought in the German speaking countries.

4381 Special Topics (3-0). Selected topics in German. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students in German.

Bachelor of Arts

(Spanish major with secondary teacher certification--130 semester hours)

Students must have been admitted into the Teacher Education Program and must be currently satisfying admission standards before being allowed to enroll in either Education 4322 or 4323.

	Semester Hours
ACADEMIC MAJOR	
Spanish 1301, 1302, 2310 or 2311, 2312	12
Spanish (advanced)*	18
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field	24
ELECTIVES	
Electives	10

* The student must complete two courses selected from Spanish 3311, 3312, 3313, and 3315; two courses selected from 3314, 3332, 3333, 4381; and two courses selected from 3321, 3323, 3325, and 3327.

Secondary Teacher Certification: A student who chooses Spanish for a second teaching field must complete the following courses: Spanish 1301, 1302, 2310 or 2311, 2312, and 3311 and nine advanced semester hours.

Elementary Teacher Certification: A student who chooses Spanish as an academic specialization for elementary teacher certification requires Spanish 1301, 1302, 2310 or 2311, 2312, 3311, and six advanced semester hours.

Students seeking teacher certification will work closely with faculty in their preparation for the ExCET exam and TOPT (Texas Oral Proficiency Test) in Spanish.

COURSES IN SPANISH (SPAN)

1301/1311 Beginning Spanish I (3-0). An intensive oral-aural drill for students who have had no previous instruction in Spanish. Emphasis on accuracy of pronunciation, mastery of the essentials of Spanish structure and the acquisition of basic conversational and reading skills.

1302/1312 Beginning Spanish II (3-0). A sequel to Spanish 1301.

2310 Spanish for Advanced Beginners (3-0). A course for students who have completed at least two years of high school Spanish or the equivalent. Emphasis on strengthening oral proficiency and composition skills through communicative activities, review of structures, vocabulary building and writing. Students who have received credit for Spanish 2310 cannot get credit for Spanish 2311.

Prerequisite: Two years of high-school Spanish or equivalent.

2311/2311 Conversation, Composition, and Reading in Spanish (3-0). Introductory studies in Spanish literature and culture; emphasis on syntax, composition, speaking, and comprehension.

Prerequisite: Spanish 1301/1302 or equivalent.

2312/2312 Conversation, Composition, and Reading in Spanish (3-0). A sequel to Spanish 2311.

Prerequisite: Spanish 2310 or 2311 or equivalent.

3311, 3312 Advanced Spanish Grammar, Conversation, and Composition (3-0). Designed to develop the student's comprehension of oral and written Spanish and will include readings and discussions of Spanish and Spanish-American topics.

Prerequisite: Spanish 2312 or equivalent.

3313 Spanish Phonetics (3-0). A course designed to (1) give theory and practice on the phonetic patterns of Spanish, (2) draw attention to specific interference phenomena from the phonetic patterns of English, and (3) elaborate on some of the more consistent phonetic markings of the Spanish of the Southwest.

3314 Advanced Spanish Conversation (3-0). A course designed to prepare students in conversation skills and improvement of fluent use of the language. This course is primarily directed toward meeting the needs of future language teachers.

3315 Contrastive Linguistics (3-0). A comparative study of the structure of English and Spanish, emphasizing phonological, morphological, lexical, syntactic, and semantic differences. Knowledge of Spanish is required.

3321 Spanish Literature to 1700 (3-0). A survey of Spanish literature from the Middle Ages through the baroque period.

3323 Spanish Literature from 1700 (3-0). A survey of Spanish literature from the eighteenth century to the present day.

3325 Spanish-American Literature to the Revolutionary Period (3-0). A survey of Spanish-American literature from the early chronicles of discovery and conquest through nineteenth century realism. (Formerly Spanish 4325.)

3327 Spanish-American Literature from Modernism to the Present (3-0). A survey of Spanish-American literature from the precursors of modernism to the present day. (Formerly Spanish 4327.)

3332 Spanish Civilization (3-0). A survey of the history and culture of Spain from prehistoric times to the present.

3333 Spanish-American Civilization (3-0). A survey of the history and culture of Spanish America from pre-Columbian times to the present.

4381 Special Topics (3-0). Selected topics in Spanish. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in Spanish.

COURSES IN LINGUISTICS (LING)

3320 Descriptive Linguistics (3-0). An introduction to the scientific study of language. Includes the nature and description of language, its sounds and grammar.

3330 Applied Linguistics (3-0). Linguistic principles and techniques as related to the teaching of language and language development; a survey of contrastive analysis of grammar and language performance.

*4310 General Linguistics (3-0). A study of general linguistics; a survey of phonological, morphological, syntactic, and semantic analysis and of historical and comparative linguistics.

*4340 Psycholinguistics (3-0). A study of the acquisition and development of language in children and the relationship between language and thought. This course includes a survey of theories and research in psycholinguistics.

COURSES IN RUSSIAN (RUSS)

1301 Beginning Russian I (3-0). An intensive oral-aural drill for students who have had no previous instruction in Russian. Emphasis on accuracy of pronunciation, mastery of the essentials of Russian structure, and the acquisition of conversational and reading skills.

1302 Beginning Russian II (3-0). A sequel to Russian 1301.

2311 Conversation, Composition, and Reading in Russian. Introductory studies in Russian literature and culture; emphasis on syntax, composition, speaking, and comprehension.

Prerequisite: Russian 1301 and 1302 or equivalent.

2312 Conversation, Composition, and Reading in Russian (3-0). A sequel to Russian 2311.

Prerequisite: Russian 1301 and 1302 or equivalent.

Students in teacher education programs who are interested in earning the English as a Second Language (ESL) endorsement should consult with the Head of the Department of Modern Languages.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Professor and Head: William B. Davidson

Professors: Love, Singg, Stewart

Associate Professors: Montgomery, Mowrer, Osburn

Assistant Professors: Forbes, Fuller, Schell

Instructor: Love

Bachelor of Arts

(Psychology major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Psychology 2301.....	3
Psychology 1303, 2304, 2305	6
Psychology 3305.....	3
Psychology 3303, 3307, 4301, 4303, 4305, 4313	9
Psychology (advanced)	6
Psychology.....	3
OTHER REQUIREMENTS	
Communication 2301.....	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science).....	8
Physical Activity	1
Visual and Performing Arts (art, drama, music) lower division.....	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	19-25

The above plan meets all core curriculum and Bachelor of Arts degree requirements.
The BA degree with a psychology major requires a minimum of 130 semester hours with
a minimum of 39 advanced semester hours.

* See page 154 for modern language requirements

Bachelor of Science
(Psychology major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Psychology 2301	3
Psychology 1303, 2304, 2305	6
Psychology 3305, 4321	6
Psychology 3303, 3307, 4301, 4303, 4305, 4313	9
Psychology (advanced)	6
Psychology	3
OTHER REQUIREMENTS	
Biology 2423, 2424	8
Chemistry, physical science, physics	8
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Physical Activity	1
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	26

The above plan meets all core curriculum and Bachelor of Science degree requirements. The BS degree with a psychology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

Pre-Physical Therapy

Students may prepare for admission to the ASU Master of Physical Therapy (MPT)* program by completing 90 semester credit hours from any of the psychology degree plans to include the prerequisite courses listed below. Applicants must have a minimum overall GPA of 3.00. All MPT program prerequisite courses must be taken within five years of program admission with a minimum grade of *B* in each course. At the time of application GPA is calculated by averaging grades for repeated prerequisite courses.

Biology 1301, 1101	Biology 2402
Biology 2423	Biology 2424
Chemistry 1411	Chemistry 1412
Physics 1311, 1103	Physics 1312, 1104
Psychology 2301	Psychology 2304
Nursing 4337 or Psychology 3305 or Mathematics 3321	

Optional courses: Biology 4423, Biology 4444, Biology 4480, Sociology 2301, Psychology 2305, Psychology 4305.

Students are encouraged to prepare for and apply for admission to more than one PT program. Other Texas physical therapy programs may have different requirements. Students should contact the admissions office of each program to verify each school's prerequisites or consult with a Psychology Department advisor or the pre-physical therapy advisor in the ASU Biology Department. Regular conferences with a pre-PT advisor are essential. For a more complete description of the Pre-Physical Therapy prerequisites and a description of the MPT program, see the Physical Therapy Department section (page 444) in the Graduate portion of this *Bulletin*.

*The ASU Physical Therapy Department is a candidate for accreditation with Commission on Accreditation in Physical Therapy Education (CAPTE). Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria, but does not ensure that a program will achieve accreditation.

COURSES IN PSYCHOLOGY (PSY)

1303/2315 Psychology of Adjustment (3-0). A study of the dynamics of human behavior from a life adjustment approach. Representative topics will include stress management, understanding personality, love, marriage, human sexuality, and death and bereavement.

2301/2301 General Psychology (3-0). Introduction to the scientific study of factors underlying behavior. In addition to the physiological bases of behavior, other factors such as intelligence, learning, motivation, emotion, and perception are covered.

2304 Developmental Psychology (3-0). A study of psychological, social, cultural, physical and emotional factors in personality development and behavior. Emphasis will be given to developmental changes from conception through death.

Prerequisite: Psychology 1303 or 2301.

2305/2319 Social Psychology (3-0). A survey of environmental forces as they affect individual and group behavior. Topics to be studied include subcultural influences, group dynamics, attitude change, interpersonal attraction, prosocial behavior and health. (Credit may not be earned for this course and Sociology 2305.)

Prerequisite: Psychology 2301 or Sociology 2301.

3301 Experimental Psychology (3-0). This course seeks to provide an integrated blend of content and methodology in representative areas of experimental psychology, with methods discussed in the context of actual research. Some representative areas include psychophysics, perception, learning, memory, problem solving, and human factors.

Prerequisites: Psychology 2301.

3303 Learning and Cognition (3-0). A study of the principles of learning and cognition and how they relate to understanding behavior. The course will review theories of classical and instrumental conditional conditioning, biological constraints on learning and memory, memory formation, thinking and language.

Prerequisite: Psychology 2301.

3305 Research Methods and Statistical Analysis (3-0). A survey of experimental and non-experimental methods of gathering data as well as the statistics required to analyze this data. Analysis include measures of central tendency and variability, correlation, regression, standard scores, t-tests, ANOVA and chi square.

Prerequisite: Psychology 2301 and Math 1302 or equivalent.

3307 Motivation (3-0). A study of theories and research on biological and acquired motives in humans. Topics include emotions, hunger, sex, aggression, achievement, affiliation, and power.

Prerequisite: Psychology 2301.

3309 Industrial-Organizational Psychology (3-0). A study of the methods and principles of psychology applied to work situations. Emphasis will be placed on leadership, communication, job satisfaction, performance evaluation, consumer problems, and productivity.

Prerequisite: Psychology 2301.

3311 Psychological Testing (3-0). A survey of a wide variety of both group and individual psychological tests. Students will be introduced to personality, intelligence/aptitude, vocational interest, and achievement instruments that are frequently used. Technical considerations associated with test validity, reliability, objectivity, and standardization will be considered.

Prerequisite: Psychology 2301.

3313 Introduction to Counseling Psychology (3-0). An introductory survey of the individual and group methods for counseling and psychotherapy.

Prerequisite: Psychology 2301.

3315 Child Psychology (3-0). A study of physical, cognitive, and social development from birth to adolescence. Topics include childbirth, bonding, parenting styles, abuse, divorce, day care, and the role of genetic and environmental factors in the development of individual differences and similarities.

Prerequisite: Psychology 2301.

3317 Applied Psychology (3-0). A survey of diverse areas of applied psychology. In addition to more traditional areas such as clinical and industrial/organizational psychology, topics include health, education, the legal system, the environment, product design, etc. This course also provides the information needed to select and pursue a career in psychology or a related field, in particular the steps involved in applying to a graduate program in psychology.

Prerequisite: Psychology 2301.

4191 Research. Practice in planning, conducting, and/or reporting laboratory, field, or library research. (May be taken three times for credit.)

Prerequisite: Psychology 2301.

4301 Personality (3-0). A study of the theories of personality formation and development. Considers the individual as a social and biological organism and relates both sets of factors to the development of personality.

Prerequisite: Psychology 2301.

4303 History of Psychology (3-0). A study of the historical origins of psychology, the effect of science, contributing schools of psychology, and psychological theories.

Prerequisite: Psychology 2301.

4305 Abnormal Psychology (3-0). A study of historical and modern views of abnormal behavior. The course is designed to give an understanding of abnormal behavior, its etiology, prevention, symptoms, classifications, and treatment.

Prerequisite: Psychology 2301.

*4313 Physiological Psychology (3-0). A study of the interaction between the nervous systems and behavior. Representative topics include the structure and function of the nervous system, learning and memory, neurological/neuropsychiatric and language disorders, sleep and waking, aggression and effects of abused drugs.

Prerequisite: Psychology 2301.

*4317 Current Issues in Counseling Psychology (3-0). Current issues in counseling in psychology including interpersonal relations, grief therapy, counseling the special populations such as minorities, elderly, terminally ill patients, handicapped persons, or victims of abuse.

Prerequisite: Psychology 3313.

*4319 Drugs and Behavior (3-0). A study of the various drugs of abuse, both legal and illegal. Consideration of drug use and misuse, the political and social ramifications, and drug abuse prevention and treatment.

Prerequisite: Psychology 2301.

4321 Seminar in Psychological Research (3-0). A step-by-step guide to conducting research on contemporary topics in Psychology. Students will develop hypotheses, design a study, collect data, statistically analyze the data, interpret the results, and write and present a research report.

Prerequisite: Psychology 2301 and 3305.

*4335 Health Psychology (3-0). A study of contemporary theories and research in health psychology. Emphasis is on the interplay of biological, psychological, and social aspects of people's lives in relation to health and illness. Topics include stress and coping, chronic and life-threatening health problems, and managing and controlling clinical pain.

Prerequisite: Psychology 2301.

*4381 Special Topics (3-0). Selected topics in psychology. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

4391 Research. A specialized course which may be directed reading or research for superior students majoring in psychology.

Prerequisite: Junior standing.

4671 Internship in Psychology. The student will be assigned to work in a human service agency.

Prerequisite: Completion of 15 semester credit hours in undergraduate psychology, departmental selection

INTERNSHIP IN PSYCHOLOGY/SOCIOLOGY

Internships are available during the fall and spring semesters to qualified students who have (a) completed at least 15 credit hours in psychology or 15 credit hours in sociology and (b) have a cumulative GPA of at least 2.50. Upon acceptance as an intern, a faculty coordinator from the Department of Psychology and Sociology will consult with an appropriate representative of a human service agency or entity in the San Angelo area to arrange an internship assignment for the following fall or spring semester. Duties will be performed for the agency or entity under the supervision of the faculty coordinator and an appropriate representative from the field setting. The intern will be evaluated by the faculty coordinator and the field-setting supervisor. Six semester hours of credit will be received for successful completion of 300 clock hours of internship experience. A maximum of three of these semester credit hours may be counted toward a major in Psychology or Sociology. To receive credit toward the major, psychology majors should register for Psychology 4671, and sociology majors should register for Sociology 4671. Students cannot receive credit for both internships. Admission to the internship requires approval by the internship coordinator and the Head of the Department of Psychology and Sociology. Applications may be obtained in the main office of the department.

Bachelor of Arts (Sociology major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Sociology 2301	3
Sociology 3301, 3325	3
Sociology 4301	3
Sociology (advanced)	12
Sociology	9
OTHER REQUIREMENTS	
Communication 2301	3
Computer Literacy (Animal Science 1351, Communication 2345, Computer Science 1331, Education 2323, Finance 2323, Journalism 2345, Music 2353, University Studies 2323)	3
English 1301, 1302, and sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Natural Science (two lab sciences: biology, chemistry, geology, physics, physical science)	8
Physical Activity	1
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English--an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3

Modern Languages 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)*	6-12
---	------

SUPPORTING CONCENTRATION

Supporting Concentration	18
--------------------------------	----

ELECTIVES

Electives	25-31
-----------------	-------

The above plan meets all core curriculum and Bachelor of Arts degree requirements.
The BA degree with a sociology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

* See page 154 for modern language requirements.

Bachelor of Science (Sociology major--130 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Sociology 2301	3
Sociology 3301, 3325	3
Sociology 4301	3
Sociology (advanced)	12
Sociology	9
OTHER REQUIREMENTS	
Biology 1410, 1411	8
Chemistry, physical science, physics	8
Communication 2301	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1311, 1312, 1321, 1332, 2331, 2332	3
Mathematics 3321	3
Physical Activity	1
Visual and Performing Arts (art, drama, music) lower division	3
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
University Studies 2323	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	26

The above plan meets all core curriculum and Bachelor of Science degree requirements. The BS degree with a sociology major requires a minimum of 130 semester hours with a minimum of 39 advanced semester hours.

COURSES IN SOCIOLOGY (SOC)

2301/1301 Introduction to Sociology (3-0). Outline of the sociological perspective and a survey of topical studies in sociology. Representative topics may include family, politics, economy, religion, education, crime, population, environment, and others.

2303/1306 Social Problems (3-0). Examines problems and social issues from a sociological perspective, the goal being to provide the student with a conceptual framework to examine current social problems.

2305/2326 Social Psychology (3-0). A survey of environmental forces as they affect individual and group behavior. Topics to be studied include subcultural influences, group dynamics, attitude change, interpersonal attraction, prosocial behavior and health. (Credit may not be earned for this course and Psychology 2305.)

Prerequisite: Psychology 2301 or Sociology 2301.

2307 Introduction to Social Work (3-0). An overview of the history and development of social work as a profession. The course is designed to foster a philosophical, historical, and critical understanding of social welfare programs, policies, and issues, in part through developing a familiarity with local social service agencies.

3301 Scope and Methods (3-0). An overview of the major questions in the various social sciences that include a principal focus on the field of political theory, American, comparative and international politics. The course will also survey the major sources of social science information as well as the methods used to evaluate this information. (Credit may not be earned for this course and Government 3301.)

3310 American Political Culture (3-0). A study of the cultural context of American politics, the development and transmission of political attitudes and values, and the role of public opinion in the political process. (Credit may not be earned for this course and Government 3311.)

3312 Social Change and Development (3-0). Topics of current interest concerning social changes related to the global processes of industrial development and modernization.

3313 Minority Groups (3-0). Topics of current interest concerning American ethnic and racial minorities and their social standing.

3315 The Family (3-0). The family as a social institution and its relationships to other institutions, with special emphasis on the American family in a time of rapid social change.

3319 Population and Ecology (3-0). Topics of current interest concerning human population dynamics and relationships between man and the environment.

3325 Social Research and Data Analysis (3-0). A review of the methods of social research with a brief introduction to elementary statistics, data analysis, and practice in computer applications.

3341 Juvenile Delinquency (3-0). A study of the nature, extent, and varieties of delinquency in the United States relative to social institutions and peer groups. The course will survey historical and current theory as well as research pertaining to delinquent behavior, treatment, and prevention.

3343 Criminology and Penology (3-0). A survey of the nature and extent of crime in America. The course will examine classical and contemporary theory as well as research pertaining to criminal behavior, treatment, and prevention.

3362 Mexican-Americans in American Society (3-0). A study of Mexican-Americans within American society with particular emphasis on the Mexican-American experience in the Southwest, Mexican background, social and cultural differences, and problems of assimilation.

4301 Sociological Theory (3-0). Analysis of the main traditions of sociological thought.

Prerequisite: Sociology 2301.

4312 Sociology of Religion (3-0). A study of the nature of religion and its role in society.

4331 Sociology of Aging (3-0). A study of the social dimensions and significance of the aging experience: the individual experience of aging, description of the aging population and the social status of the aged, and the consequences of aging and the aged on society.

4341 Social Deviance and Social Control (3-0). Provides a conceptual and theoretical overview of deviance in society and analysis of specific types of deviance with emphasis on a sociological understanding of the meanings, processes, and control of deviant behavior.

4381 Special Topics (3-0). Selected topics in sociology. (May be repeated once for credit when topic varies.)

4391 Research. A specialized course which may be directed reading or research for superior students majoring in sociology.

4671 Internship in Sociology. The student will be assigned to work in a social service agency.

Prerequisites: Completion of 15 credit hours of Sociology, departmental selection.



THE COLLEGE OF SCIENCES

David H. Loyd, Jr., Ph.D., Dean

Department of Agriculture

Department of Biology (including Medical Technology)

Department of Chemistry and Biochemistry

Department of Mathematics

Department of Nursing

Department of Physical Therapy (Graduate Program
Only)

Department of Physics (including Astronomy, Geology,
and Physical Science)



DEPARTMENT OF AGRICULTURE

Professor and Head: Gil R. Engdahl

Associate Professors: May, Scott

Assistant Professors: Carr, Reed

Adjunct Professors: Calhoun, Craddock, Huston, Lupton, Machen, McGinty, Pinchak,
Rollins, Taylor, Ueckert, Waldron, Walker

Professors Emeritus: Holland, Shelby

Bachelor of Science

(Animal Science major--130 semester hours)

This degree is designed to meet the needs of individual students desiring a program of study in all aspects of the livestock industries including commercial production and management, animal feeding, health, nutrition, reproductive physiology, genetics, range and wildlife and live animal evaluation as well as other areas of the livestock, range and wildlife industries. In addition, students are involved in ongoing faculty research and live-stock production practices that prepare graduates for careers in animal science pro-duction and business areas. This program is designed to meet the needs of individual students desiring an animal science degree along with a choice of supporting concentra-tion between range and wildlife management, biology, chemistry, journalism, com-munication, criminal justice, or all areas of business.

	Semester Hours
ACADEMIC MAJOR	
Animal Science 1351	3
Animal Science 1341, 2241 or 3241	5
Animal Science 3342, 3349, 3441, 3443, 4181, 4342, 4343, 4344, 4345, 4346	30
OTHER REQUIREMENTS	
Biology 1410,1411; or 1301/1101, 2401; or 1301/1101, 2402	8
Chemistry 1411, 2153, 2353, 3331	11
Communication 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302 or 1311	3
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
Agriculture, agronomy, animal science (3 sch max), food science, or range and wildlife management electives	6
Range and Wildlife Management 3331, 3332	6
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	9

The above plan meets all core curriculum and general Bachelor of Science degree re-quirements. This degree requires a minimum of 130 hours with a minimum of 39 ad-vanced hours.

SUPPORTING CONCENTRATIONS

Students may select a supporting concentration from any of those listed for a Bachelor of Science degree at Angelo State University. Students must take 18 sch in their supporting concentration with at least six of those hours at an advanced level and in residence. Students desiring a multiple area concentration must have nine sch in each area with at least six of those hours in each area at an advanced level and in residence. Students must be counseled by the Department of Agriculture on Supporting Concentration requirements. Supporting concentrations of interest to Animal Science majors are as follows:

Students interested in careers in Production Agriculture and Animal Husbandry are encouraged to have a supporting concentration in one or more of the following areas:

- Range and Wildlife Management
- Biology
- Chemistry

Students interested in careers in Animal Research or Agricultural Research are encouraged to have a supporting concentration in one or more of the following areas:

- Range and Wildlife Management
- Biology
- Chemistry

Students interested in careers in Agricultural Business including sales of feed, pharmaceuticals, equipment, real estate or any other business or commerce should have a supporting concentration in one or more of the following areas:

- Finance
- Accounting
- Management
- Marketing
- Economics
- Business Administration (The Business Administration supporting concentration is a multiple-discipline concentration in which students must choose one course each from accounting, business administration, economics, finance, management, and marketing.)

Students interested in careers in the area of Agricultural Communications or Journalism should have a supporting concentration in one or more of the following areas:

- Communications
- Journalism

Students interested in a career in Natural Resource Management and Law Enforcement should have a supporting concentration in one or more of the following areas:

- Range and Wildlife Management
- Criminal Justice

Bachelor of Science

ASU-TAMU Cooperative Program in Agricultural Education at ASU

This program is a dual degree program that combines the Animal Science degree at Angelo State University with a degree in Agricultural Education at Texas A&M University. Upon completion of a minimum of 95 hours at ASU and 55 hours at TAMU in Agricultural Education, students will receive an Animal Science degree from ASU and an Agricultural Education degree from TAMU.

	Semester Hours
ACADEMIC MAJOR	
Animal Science 1351	3
Animal Science 1341, 2241	5
Animal Science 3342, 3441, 3443, 4342, 4343, 4344, and 4345	23
OTHER REQUIREMENTS	
Biology 1410, 1411	8
Chemistry 1411, 2153, 2353	8
Communication 2301	3
Economics 2301	3
Educational Psychology 3311	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1311, 1312	6
Physical Activity	1
Range and Wildlife Management 2321 or 3335, 3331, 3332	9
Special Education 2361	3
Visual and Performing Arts (art, drama, music) lower division	3
Electives	3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

Courses taken at Texas A&M University

4th Year	
Agronomy 301	4
Agricultural Education 301, 340 or 440, 427	7
Agricultural Economics 105, 314, 315, or 325*	3
Agricultural Systems Management Electives*	7
Interdisciplinary Studies 210 or Educational Technology 305*	2-3
English Literature Elective*	3
English 210 or 301*	3
Kinesiology 199	3
Teacher Education 323	3

* Depends on course(s) selected at ASU and requirement of 36 credits at junior or senior level taken at TAMU.

5th Year	Semester
<u>Fall or Spring Only</u>	Hours
Agricultural Systems Management 412	2
Animal Science 484	1
Poultry Science 402	1
Agricultural Education 425, 426, 436, 481, and 484.....	13

Preveterinary Medicine Curriculum

Angelo State University offers a series of courses designed to qualify students for entrance to schools of veterinary medicine. It is the responsibility of the student to make all applications for admittance and to check admittance requirements of the school chosen. Before enrolling in the pre-veterinary medicine curriculum, the student should report to the Agriculture Department for advisement. If a student desires to earn a degree before entering a school of veterinary medicine, the student is advised to major in animal science and take a supporting concentration in biology and chemistry.

REQUIREMENTS

Animal Science 1341, 3441	7
Biology 1301, 2402, 3301, 3411	14
Chemistry 1411, 1412, 3151, 3351, 3152, 3352, 4331	19
Communication 2301	3
English 1301, sophomore literature, 3351	9
Electives	2
Mathematics 1312 or 2331	3
Physics 1103, 1311, 1104, 1312.....	8

COURSES IN AGRICULTURE (AG)

2301/2313 Economic Entomology (3-0). A study of the principal order of insects; the relation of the anatomy of the insect to control measures; the life histories of the more common insects; priorities, preparation, and application of insecticides; sanitation, and other measures of control.

3311 Economic Marketing of Agricultural Products (3-0). Principles, practices, and problems involved in the marketing of agricultural commodities. The purchase and distribution of agricultural commodities as they affect the national economy.

COURSES IN AGRONOMY (AGRO)

1361/AGRI 1307 Principles of Crop Production (2-2). Production, use and identification of major crops, management of seed germination, growth and development, flowering and maturation. Botanical characteristics and environmental response of crop plants are integrated to explain and justify management principles.

2322 Soil Science (3-0). An introduction to the nature and properties of soils. Application of science and technology to the use of this natural resource and the roles in the environment.

2361/AGRI 1315 or HORT 1301 General Horticulture (2-2). Structure, growth and development of horticultural plants from a practical and scientific approach; environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning and chemical control of growth, pest control and branches of horticulture.

3361 Advanced Crop Production (2-2). Principles of species selection, fertilization, and nutrient cycling, plant breeding, chemical weed control, pest control, selection, effect and fate of pesticides.

4360 Watershed Management (3-0). Elements of watershed management and principles and practices of land management for protection, maintenance and improvement of water resources. Interaction between hydrological processes and land uses on water production and quality.

4361 Climatology and Agricultural Meteorology (3-0). Climatic causes, temporal and spatial variations of climatic elements, distribution of climates; principles of meteorology as related to agriculture with special emphasis upon climate of surface layer atmosphere.

4362 Horticulture Landscape Design (2-2). Application of the principles and elements of design to planning and developing both exterior residential landscape designs and interior commercial designs.

COURSES IN ANIMAL SCIENCE (ASCI)

1341/AGRI 1319 Principles of Animal Science (2-2). An introduction to fundamental principles of animal science, including the economic impact of animal agriculture upon the United States and the world, animal genetics, anatomy and physiology, growth, reproduction, artificial insemination, lactation, egg laying, nutrition, animal disease, animal research; laboratory includes visits to animal industries in the area, live-stock selection.

1351/AGRI 1309 Introduction to Applications of Microcomputers in the Sciences (3-0). An introduction to the basic operating principles of microcomputers and disk operating systems; the application of spreadsheet and word processing programs in the sciences.

1352 Intermediate Level Applications of Microcomputers in the Sciences (3-0). An intermediate level course in the application of spreadsheet and word processing programs; introduction to the use of data base programs and other programs relative to the sciences. Additional disk operating systems techniques.

Prerequisite: Animal Science 1351.

2241 Live Animal-Carcass Evaluation (0-4). A study of evaluation methods relating live animal traits to carcass traits of meat animals.

3240 Wool and Mohair Selection and Grading (0-4). A study of the factors involved in the evaluation and grading of wool and mohair.

3241 Livestock Selection (0-4). A study of the factors involved in the visual evaluation of sheep, goats, beef cattle, swine, and horses. (May be repeated once for credit.)

3340 Horse Science (3-0). A study of the types and breeds of horses and an overview of the anatomy, behavior, genetics, nutrition, physiology, and reproduction of the horse.

3342 Applied Animal Nutrition (2-2). Defining feedstuffs; nutritional requirements of animals; nutritional characteristics of feeds; ration formulation.

Prerequisite: Animal Science 3441 and Chemistry 3331.

3349 Animal Anatomy and Physiology (2-2). A study of the structure and function of the cells, tissues, organs, and systems of the body of farm animals.

3441 Principles of Animal Nutrition (4-0). Basic principles of animal nutrition, including digestion, absorption, and metabolism of food nutrients; characteristics and functions of the essential nutrients; the measurement of body needs and feed values.

Prerequisite: Chemistry 3331.

3443 Genetics of Livestock Improvement (3-2). Genetic principles and their application to the improvement of livestock through selection and mating.

Prerequisite: Junior standing.

4181 Seminar in Animal Science (1-0). A course designed to acquaint the student with basic literature of the discipline and to encourage an exchange among animal science majors and faculty members on selected topics. (May be repeated once for credit.)

Prerequisite: Senior standing.

4191, 4391 Research. Individual research problems. (May be repeated to a total of six semester hours credit.)

Prerequisite: Junior standing.

4242 Advanced Livestock Selection (0-4). Advanced selection and evaluation of beef cattle, swine, sheep, and horses. Ability to present accurate, clear and concise oral and written reasons for selection is stressed. (May be repeated once for credit.)

Prerequisite: Animal Science 3241.

*4248 Reproductive Techniques (1-3). Techniques for increasing reproductive efficiency in farm animals; semen collection and evaluation, pregnancy diagnosis, and artificial insemination.

Prerequisite: Permission of instructor.

*4342 Sheep and Goat Science (2-2). Methods of breeding, feeding, management, and marketing of commercial and purebred sheep and goats; production and marketing of animal fibers.

Prerequisite: Senior standing.

*4343 Beef Cattle Science (2-2). Methods of breeding, feeding, management, and marketing of commercial and purebred cattle.

Prerequisite: Senior standing and permission of instructor.

*4344 Animal Reproduction (2-2). Anatomy and physiology of the reproductive systems of farm animals; methods for increasing reproductive efficiency in farm animals.

Prerequisite: Chemistry 3331.

*4345 Animal Behavior and Welfare (3-0). Basic Principles of animal behavior, physiology of behavior, stress, welfare and training of animals. Applications of behavior of livestock to their management and welfare.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

4346 Meats (2-2). Introduction and survey of the meat industry; live animal carcass comparisons; slaughter techniques, processing, storage, preservation and identification of meats.

Prerequisite: Animal Science 1341.

COURSES IN FOOD SCIENCE (FSCI)

1329/AGRI 1329 Food Science (3-0). A fundamental knowledge of the food industry; food safety, sanitation, processing, classification and quality.

3344 Food Safety and Sanitation (3-0). Principles of sanitation in food processing and food service. A study of the physical, chemical and microbiological importance of food spoilage, food preservation, and the methods for control of microbiological growth. The national food service exam will be given at the end of the course.

COURSES IN RANGE AND WILDLIFE MANAGEMENT (RWM)

2321 Forage Crop Production and Utilization (2-2). A study of the classification, distribution, production, and utilization of forage crops as related to wildlife and livestock production systems.

3331 Principles of Range Management (2-2). Application of ecological principles in the management of rangelands for sustained production.

3332 Range Improvement (2-2). Principles and practices of range improvements including weed and brush control, revegetation, fertilization, and grazing systems.

Prerequisite: Range and Wildlife Management 3331.

3335 Range Plants (2-2). A study of the important range plants and range ecosystems of Texas and other western states. The identification, distribution, ecological and economic value of introduced and native species will be emphasized.

*4333 Range Wildlife Management (2-2). Introduction to the ecology and management of wildlife populations, integration of other resource demands with that of wildlife.

4391 Range Research. Individual research problems. (May be repeated to a total of six semester hours credit.)

Prerequisite: Junior standing.

4435 Plant Taxonomy (3-3). Laboratory and field studies emphasize the use of a dichotomous key using flowering plants of the Concho Valley as topics of study and recognition of the major families of flowering plants. Lecture emphasis is on current problems in plant taxonomy and systematics. (Credit for both RWM 4435 and Biology 4435 cannot be awarded.)

* May be taken for graduate credit with permission of the Dean of the Graduate School.

DEPARTMENT OF BIOLOGY

Professor and Head: Bonnie B. Amos
Professors: Bloebaum, Dowler, Jones, Maxwell, Strenth
Associate Professor: Marsh
Assistant Professors: McCoy, Russell, Wilke
Instructors: Griffin, Maxwell

Bachelor of Science

(Biology major with supporting concentration in chemistry)*

	Semester Hours
ACADEMIC MAJOR	
Biology 1301, 2401, 2402; 2403 or 4423	15
Biology 3301, 3403, 4181, 4303, 4451	15
Biology (advanced)	12
OTHER REQUIREMENTS	
Animal Science 1351, Finance 2323, or University Studies 2323	3
Chemistry 1411, 1412	8
Chemistry 3151, 3351, 3152, 3352, 4331 or 4332	11
Communication 2301	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1321, 2331, 2332**	6
Physical Activity	1
Physics 1103, 1311, 1104, 1312	8
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
Chemistry*	0
ELECTIVES	
Electives***	21

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours and a minimum of 39 advanced hours.

-
- * If a second supporting concentration is chosen this degree will require additional hours, in addition to the 19 hours of required chemistry.
 - ** Many graduate programs, medical schools, and optometry schools require one semester of calculus.
 - *** Many graduate programs require competence in a research tool (i.e., modern language, statistics, computer language).

Graduation Requirement for the Biology Major

Candidates for the Bachelor of Science in Biology are required to complete a Major Field Achievement Test (MFAT) in Biology in order to be eligible for graduation. The Department of Biology administers the MFAT once during both the fall and spring semesters at no cost to the student. A student is eligible to take the MFAT upon completion of all required biology credits or during the semester immediately prior to graduation (August graduates must take the examination during the spring semester immediately prior to graduation). With written permission from the Head of the Department of Biology, another national or state examination (i.e. MCAT, DAT, OAT, ExCET) may be taken in place of the MFAT; however, the student is responsible for examination costs. The exam score has no bearing on GPA, but will be recorded on the student's official transcript.

Premedical and Predental Students

(Students planning to apply to medical or dental school)

A student interested in applying for admission to medical (including podiatry, optometry, chiropractic, occupational therapy, or physician's assistant program) or dental school may major in any undergraduate discipline. Health professional school admission committees do not prefer a particular undergraduate major field or degree, so the student should select a major and degree plan consistent with career interests should medical or dental school plans not materialize. Selecting such an academic major, rather than a major in "Premedicine" or "Predentistry", will provide the student with all course requirements for health professions school and with an alternative career choice as well.

Many health professions students major in Biology, but majors in all fields are given equal consideration for admission to medical and dental schools. For example, a student wishing to apply to either medical or dental school, may prepare for an alternative career in biology or pursue graduate work in biology by following the biology major/chemistry minor degree plan. Or if the alternative career is teaching at the public school level, then the student should follow any teacher certification degree with a first and second teaching field (i.e. biology and chemistry). Students may also pursue career options of medical technology by following the medical technology degree plan or in nursing by following the nursing degree program. However, the student must contact the Chairperson of the Health Professions Advisory Committee as soon as possible to discuss major field selection, and the student must work closely with this advisor to develop an academic program which will satisfy the requirements of both the major field and the professional schools to which the student wants to apply. Information concerning majors and admission requirements of health professions schools is available from this advisor, and regular student conferences with this advisor are essential.

A student may qualify for the Bachelor of Science degree from Angelo State University by satisfactorily completing all of the specified course work for the Biology major with a Chemistry supporting concentration as listed in the degree plan of the University Bulletin and at least one full year at an accredited American medical, dental, optometry, or podiatry school. That is, the only Angelo State courses for which the one year of health professions would substitute are general elective hours. Before considering this option, the student should consult with both the health professions advisor and with the Dean of Sciences. Final permission to pursue this option must be obtained from the Dean of Sciences.

Pre-Physical Therapy

Students may prepare for admission to the ASU Master of Physical Therapy (MPT)* program by completing 90 semester credit hours from any of the biology degree plans to include the prerequisite courses listed below. Applicants must have a minimum overall GPA of 3.00. All MPT program prerequisite courses must be taken within five years of program admission with a minimum grade of *B* in each course. At the time of application GPA is calculated by averaging grades for repeated prerequisite courses.

Biology 1301, 1101	Biology 2402
Biology 2423	Biology 2424
Chemistry 1411	Chemistry 1412
Physics 1311, 1103	Physics 1312, 1104
Psychology 2301	Psychology 2304
Nursing 4337 or Psychology 3305 or Mathematics 3321	

Optional courses: Biology 4423, Biology 4444, Biology 4480, Sociology 2301, Psychology 2305, Psychology 4305.

Students are encouraged to prepare for and apply for admission to more than one PT program. Other Texas physical therapy programs may have different requirements. Students should contact the admissions office of each program to verify each school's prerequisites or consult with the biology health professions advisor or the pre-physical therapy advisor in the ASU Biology Department. Regular conferences with a pre-PT advisor are essential. For a more complete description of the Pre-Physical Therapy prerequisites and a description of the MPT program, see the Physical Therapy Department section (page 444) in the Graduate portion of this *Bulletin*.

*The ASU Physical Therapy Department is a candidate for accreditation with Commission on Accreditation in Physical Therapy Education (CAPTE). Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria, but does not ensure that a program will achieve accreditation.

Bachelor of Science

(Biology major with secondary teacher certification--130 semester hours*)

	Semester Hours
ACADEMIC MAJOR	
Biology 1301, 2401, 2402, 2403	15
Biology 3301, 4181, 4303, 4451	11
Biology (advanced)	13
OTHER REQUIREMENTS	
Animal Science 1351, Education 2323, Finance 2323, or University Studies 2323	3
Chemistry 1411, 1412	8
Chemistry 3151, 3351, 3152, 3352	8
Communication 2301 or 2331	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302, 1303, 1321, 2331, 2332	6
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3

Visual and Performing Arts (art, drama, music) lower division.....	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field*	10-12
ELECTIVES	
Electives	4

* A second teaching field may be selected from any of the disciplines listed on page 354, in the School of Education. However, if a second teaching field other than chemistry or life-earth science is chosen, more than 130 semester hours will be required for the degree.

Graduation Requirement for the Biology Major with Certification

Candidates for the Bachelor of Science in Biology are required to complete a Major Field Achievement Test (MFAT) in Biology in order to be eligible for graduation. The Department of Biology administers the MFAT once during both the fall and spring semesters at no cost to the student. A student is eligible to take the MFAT upon completion of all required biology credits or during the semester immediately prior to graduation (August graduates must take the examination during the spring semester immediately prior to graduation). With written permission from the Head of the Department of Biology, another national or state examination (i.e. MCAT, DAT, OAT, ExCET) may be taken in place of the MFAT; however, the student is responsible for examination costs. The exam score has no bearing on GPA, but will be recorded on the student's official transcript.

Biology as a Second Teaching Field with Secondary Certification: A student who chooses biology for a second teaching field must complete the following courses: Biology 1301, 2401, 2402, 3301, 4181, 4303, 4451, and two additional advanced semester hours in biology.

Life-Earth Science as a Second Teaching Field with Secondary Certification: (Biology majors). A student who chooses life-earth science for a second teaching field with biology as the first teaching field must complete the following courses: Geology 1401, 1402; Physics 1302; and Biology 4412, and nine hours of advanced biology in addition to those taken in the major.

Life-Earth Science as a Second Teaching Field with Secondary Certification: (non-Biology majors). A student who chooses life-earth science for a second teaching field when biology is not the first teaching field must complete the following courses: Biology 1301, 2401 or 2402, 4412, 4451; Geology 1401, 1402; and Physics 1302.

Chemistry as a Second Teaching Field with Secondary Certification: (Biology majors). A student who chooses chemistry for a second teaching field with biology as the first must complete the following additional courses: Chemistry 2421, 3201, 4181, and three advanced hours.

Requirements for secondary certification in other second teaching field areas may be

obtained under School of Education Secondary Teacher Certification Second Teaching Field Areas on page 354 of the *Angelo State University 2001-2003 Bulletin*.

COURSES IN BIOLOGY (BIO)

1101 Problem Solving in Biology (0-2). A supplemental course to Biology 1301 designed to develop and improve critical thinking and problem solving skills related to the topics discussed in Biology 1301. Strongly recommended for students enrolled in Biology 1301.

Prerequisite: Concurrent enrollment in Biology 1301.

1301/1306 Principles of Biology (3-0). An introduction to the unifying principles of biology, including the chemistry of life, cell structure and function, energy, inheritance, development, evolution, and ecology. Intended for the biology major or minor.

1410 Human Biology (3-2). An introductory owner's manual to the human body for nonbiology majors. Includes fundamentals of human anatomy and the functions of the major systems of the body, contemporary health issues, human hereditary, and human evolution.

1411 Man and the Environment (3-2). A introductory owner's manual to Spaceship Earth for nonbiology majors. Includes a survey of contemporary ecological concepts that affect man's life, values, and culture. Topics include the biosphere and ecosystems, adaptation, environmental pollution, waste management, conservation, population growth, and world food problems.

2401/1411 General Botany (3-3). A consideration of the structural adaptations and diversity of plants and their life cycles. Laboratory will emphasize classification and comparative anatomy of the Kingdoms Fungi and Plantae. (Formerly Biology 2432)

Prerequisite: Biology 1301 or equivalent.

2402/1413 General Zoology (3-3). A consideration of the structural adaptations of animals. Laboratory will emphasize classification and comparative anatomy within the Kingdom Animalia. (Formerly Biology 2431)

Prerequisite: Biology 1301 or equivalent.

2403 Comparative Plant and Animal Physiology (3-3). A general introduction to how plants and animals function, comparative in approach and stressing the principles of physiology which govern the degree of environmental adaptation.

Prerequisites: Biology 2401 and 2402.

2411/2421 Elementary Microbiology (3-2). A study of microorganisms of medical importance - their characteristics, their growth, culture, and relation to human disease, and the applications of antibiotics and immunology to medical microbiology and medical practice. Laboratory emphasizes aseptic technique and medical applications. Will not satisfy the requirements for biology majors. Recommendation: Biology 2423 and 2424 should be taken prior to this course.

2423 Human Anatomy (3-3). The study of the structure of cells, tissues, organs, and systems of the human body.

2424 Human Physiology (3-3). The study of the normal functions of the cells, tissues, organs, and systems of the human body.

Prerequisite: Credit for Biology 2423.

3101 Genetics Laboratory (0-2). Computer based problem solving in genetics. Optional laboratory to accompany Biology 3301.

Prerequisite: Concurrent enrollment or credit in Biology 3301.

3301 Genetics (3-0). This is a course in general genetics. Topics are organized into three major areas: cytogenetics, molecular genetics and classical genetics.

Prerequisites: Two courses in biology or consent of instructor.

3302 Medical Genetics (3-0). A study of the role of genetics in human health with emphasis placed upon the mechanisms, methods of diagnosis and current treatment of genetic diseases. Course work will involve case studies and problem sets and will include learning to use a computer data base to retrieve information on human genetic diseases.

Prerequisite: Must have completed Biology 3301 with a grade of A.

3305 Medical Botany (3-0). An introduction to pharmacognosy and humanistic botany, including a discussion of the major food plants, special medicinal plants, plant hallucinogens, poisonous plants, and other economically important plants.

Prerequisite: One semester of freshman biology (1301, 1410, or 1411) or consent of instructor.

3324 Pathophysiology (3-0). A study of the function of the human body as it is altered by and responds to disease, including disease manifestations, mechanisms of disease production and response, and the physiological basis of diagnostic and therapeutic procedures. This course provides an introduction to the field and coverage of those diseases not confined to a single body system.

Prerequisite: Biology 2424 or equivalent; Biology 2411 or equivalent. Will not satisfy advanced Biology credit.

3333 Natural History of the Concho Valley (3-0). A study of the relationship among geology, soils, climate, plants, animals, and recent human history in the Concho Valley region of Texas. Emphasis will be placed on understanding woody vegetation and vertebrate animals of the region.

3403 Cell Biology (3-3). Study of the morphology, function, biochemistry and molecular biology of cells and organelles. Laboratory work will involve the practice and application of techniques to cell biology.

Prerequisites: Biology 1301, 3301; Chemistry 3151, 3351, 3152, 3352.

3411 General Microbiology (3-3). The major areas in the field of microbiology are surveyed, with special emphasis given to the bacteria. Groups of microorganisms are characterized in sufficient detail to reveal their nature. Fundamental concepts of biology and basic biological processes common to all forms of life are emphasized. Laboratory methods are stressed, and detailed studies are made of pure cultures.

Prerequisites: Two semesters of chemistry and biology.

3412 Pathogenic Microbiology (3-3). The relationship of microorganisms to human disease with an emphasis on bacteria. Elements of immunity and diagnosis and treatment of infection will be covered. This course includes a heavy emphasis on the role and application of laboratory work.

Prerequisites: Two semesters of chemistry and two semesters of biology.

3413 Immunology (3-2). A study of the specific cellular and humoral responses of the animal body to microorganisms and certain other extrinsic and intrinsic agents.

Prerequisites: Biology 1301 and 2402, or 2423 and 2424.

3421 Histology (3-3). The microscopic study of normal cells, tissues, organs, and systems of the human body with emphasis on integration of microscopic structure with physiology, embryology, and other areas of biology.

Prerequisites: Biology 1301 and 2402 or 2423 and 2424; Junior standing.

3461 Entomology (3-3). General entomology: a survey of the important orders and families of insects with emphasis on the natural history, systematics, taxonomy, and physiology of the group. Laboratory will include field trips with required collection and identification of local representative taxa.

*4150 Molecular Biology Laboratory (0-4). Laboratory course designed to teach experimental methods of molecular biology. Experiments will cover a variety of methods for investigating the structure and function of biological macromolecules (DNA, RNA and proteins) and is designed to prepare students for independent research in molecular biology. Optional laboratory to accompany Biology 4350.

Prerequisites: Concurrent or previous enrollment in Biology 4350.

4181 Seminar in Biology (1-0). A course designed to acquaint the student with the basic literature of the discipline and to encourage an exchange among biology majors and faculty members on selected topics.

4191, 4291, 4391 Research. Individual research problems for superior students majoring in biology. (May be repeated to a total of six semester hours credit.)

Prerequisite: Junior standing. Approval from the Head of the Department is required prior to enrollment.

4303 Evolution (3-0). A review of the history of evolutionary thought and discussion of the development of all living organisms from previously existing types under the control of evolutionary processes. Emphasis on the mechanisms of evolution and the different theories regarding the processes that have brought about evolutionary change.

Prerequisite: Biology 3301.

4315 Biogeography (3-0). A study of the distribution of plants and animals over the earth and of the principles that govern this distribution.

Prerequisite: Biology 2401 and 2402 or equivalent.

*4350 Molecular Biology (3-0). A study of the synthesis and function of biologically important macromolecules (DNA, RNA and proteins) and the regulation and control of the synthesis of nucleic acids and proteins. Introduction and applications to recombinant DNA techniques.

Prerequisites: Biology 3301 and Biology 3403.

4381 Special Topics. Selected topics in biology. (May be repeated once for credit when the topic varies.)

Prerequisite: Junior standing.

*4401 Ornithology (3-3). A study of the biology of birds, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas birds.

Prerequisites: Biology 2402 or equivalent.

*4402 Mammalogy (3-3). A study of the biology of mammals, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas mammals.

Prerequisites: Biology 2402 or equivalent.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

*4404 Herpetology (3-3). A study of the amphibians and reptiles, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas amphibians and reptiles.

Prerequisites: Biology 2402 or equivalent.

4412 Biological Oceanography (3-3). A study of marine organisms and the environment in which they are found. Particular emphasis will be given to the Gulf of Mexico.

*4423 General Physiology (3-3). An advanced course in fundamentals of vertebrate physiology emphasizing functions of molecular levels of activity. Laboratory exercises combine animal surgery, biochemical techniques, and electronic instrumentation.

Prerequisites: Biology 2402 and 2423 and junior standing or consent of instructor.

*4435 Plant Taxonomy (3-3). Laboratory and field studies emphasize the use of a dichotomous key using flowering plants of the Concho Valley as topics of study, and recognition of the major families of flowering plants. Lecture emphasis is on current problems in plant taxonomy and systematics. (Formerly Biology 3435). (Credit for both RWM 4435 and Biology 4435 cannot be awarded.)

4441 Parasitology (3-3). A study of the anatomy, life cycles, ecology, diseases, diagnosis and treatment of protozoa, helminths, and arthropods parasitic in man.

Prerequisites: Biology 1301 and 2402 or 2423 and 2424; junior standing.

*4443 Invertebrate Zoology (3-3). A survey of major invertebrate phyla, with emphasis on the classes of Cnidarians, Annelids, Mollusks, Arthropods, and Echinoderms. Particular attention will be given to phylogenetic relationships and natural history. (Formerly Biology 3443)

Prerequisite: Biology 2402 or equivalent.

*4444 Vertebrate Zoology (3-3). An intensive study of the living groups of vertebrates from agnathans through mammals with emphasis on functional anatomy, phylogeny, and natural history. Laboratory will emphasize comparative vertebrate anatomy. (Formerly Biology 3441)

Prerequisite: Biology 2402 or equivalent.

4451 Principles of Ecology (3-3). Examination of basic ecological concepts and principles of the ecosystem and biogeochemical cycles, with particular emphasis on the organization and energetics of populations at the species, interspecies, and community levels in aquatic and terrestrial environments.

Prerequisites: Biology 1301, Mathematics 1302.

4480 Introduction to Biometry (3-2). An introduction to the application of statistics to biological research. This course will include an introduction to probability, sampling theory, and hypothesis testing. Emphasis will be on common statistical techniques for biological research.

Prerequisites: Mathematics 1302.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

MEDICAL TECHNOLOGY

Professor and Director: Amos

Professor and Advisor: Jones

Adjunct Professors: Bell, Duben-Englekirk, Ladd, Zink

Bachelor of Science

(Medical Technology with supporting concentrations
in biology and chemistry)

This degree is designed for the student who is planning a career in medical technology. Following graduation, the student is eligible to take a national certifying exam.

To register for the medical technology program during the senior year, a student must have completed three years of the University degree program in medical technology with a grade point average of not less than 2.50 overall and 2.50 in biology and 2.50 in chemistry. The student must also be recommended for the medical technology courses by the Head of the Department of Biology and must be accepted by the hospital at which the student plans to intern. Students are eligible to apply to any hospital with which Angelo State University has an affiliation agreement. Admission requirements for each of the hospitals differ; therefore, it is important that students interested in a medical technology degree contact the medical technology advisor as soon as possible to discuss admission policies. Regular student conferences with this advisor are essential.

Semester
Hours

ACADEMIC MAJOR

Medical Technology 4101, 4201, 4303, 4601, 4605, 4607, 460930*

OTHER REQUIREMENTS

Animal Science 1351, Communication 2345, Education 2323, Finance
2323, Journalism 2345, Music 2353, University Studies 23233
Biology 2423, 2424, 3411, 3412, 3413, 448024
Biology advanced (3421 or 4441 recommended)7
Chemistry 1411, 14128
Chemistry 3151, 3351, 3152, 3352; and 4331 or 4332 or 242111
Communication 23013
English 1301, 1302, one sophomore literature9
Government 2301, 23026
History 1301, 13026
Mathematics 13023
Physical Activity1
Physics 1103, 1311, 1104, 13128
Social Science (economics, psychology, sociology) lower division3
Visual and Performing Arts (art, drama, music) lower division3

SUPPORTING CONCENTRATION

Biology and chemistry0

ELECTIVES

Electives5

* All medical technology courses are taken during the senior year. The following requirements must be met before enrolling in medical technology courses:

All degree course work other than medical technology courses must be completed.

To register for the medical technology program during the senior year, a student must have completed three years of the University degree program in medical technology with a grade point average of not less than 2.50 overall and 2.50 in biology and 2.50 in chemistry.

The student must apply for admission and be accepted by a hospital with which Angelo State University has an affiliation agreement. Admission requirements for the hospitals differ; therefore, it is important students interested in medical technology contact the medical technology advisor as soon as possible to discuss admission policies. Regular conferences with this advisor are essential.

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours and a minimum of 39 advanced hours.

COURSES IN MEDICAL TECHNOLOGY (M T)

4101 Laboratory Management. Fundamental concepts of management including principles of administration, organizational theory, goal-setting, leadership, decision-making, discipline, management styles, total quality management, and hospital and laboratory accrediting agencies.

4201 Body Fluids. The theory, practical application, and technical performance of routine urine examination. Collection, gross and microscopic examination, chemical analysis, and microbial testing required for other body fluids: cerebrospinal, synovial, pleural, pericardial, peritoneal, amniotic, seminal, and gastric. The correlation of test results to normal and abnormal physiology.

4303 Immunology. The theory, practical application, and technical performance of immunological and serological procedures used in diagnostic laboratory medicine. The correlation of test results to normal and abnormal physiology.

4601 Hematology. The theory, practical application, and technical performance of hematological and coagulation procedures. The correlation of hematological and coagulation testing results to normal and abnormal conditions of the blood.

4605 Clinical Chemistry. The theory, practical application, and technical performance of chemical procedures. Principles of instrumentation, quality control, and data processing. The correlation of chemical testing results to normal and abnormal physiology.

4607 Clinical Microbiology. The theory, practical application, and technical performance of microbiological procedures: proper cultivation, isolation, identification, antibiotic sensitivity patterns, and medical significance of pathogenic bacteria, parasites, fungi, and viruses. The correlation of test results with clinical conditions.

4609 Immunohematology. The theory, practical application and technical performance of blood bank procedures required for transfusion of blood and blood components and for handling and storage of blood components. The correlation of test results to normal and abnormal physiology.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Professor and Head: George E. Shankle

Professor Emeritus: Edgar N. Drake II

Professor: Dawkins

Assistant Professor: Flynn

Instructor: Boudreaux

Bachelor of Science (Chemistry major)

The minimum standards for a professional chemistry degree as set forth by the American Chemical Society include Chemistry 1411, 1412, 2421, 3151, 3152, 3351, 3352, 3262, 3361, 3362, 4521, and two additional advanced courses in chemistry. With appropriate choice of courses for advanced unspecified chemistry hours, these standards are met and exceeded. A supporting concentration must be taken in another academic field; biology, computer science, mathematics, or physics is recommended.

	Semester Hours
ACADEMIC MAJOR	
Chemistry 1411, 1412, 2421.....	12
Chemistry 3151, 3152, 3201, 3262, 3351, 3352, 3361, 3362, 4181	19
Chemistry (advanced).....	10
OTHER REQUIREMENTS	
Biology	8
Communication 2301.....	3
Computer Science 1331, 2301	6
English 1301, 1302, sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1321, 2331, 2332.....	9*
Physical Activity	1
Physics 1103, 1331, 1104, 2342.....	8
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	6

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

* The student is expected to have completed two years of high school algebra and one-half year of high school trigonometry. If not, Mathematics 1302 or 1303 should be completed as applicable before enrollment in Mathematics 1321.

Bachelor of Science

(Biochemistry major with mandatory biology minor)

The minimum requirements for a B.S. degree in biochemistry stipulated by the American Chemical Society include: two semesters of biochemistry; cell biology; genetics; one semester of a laboratory in biochemical methods; and at least three semester hours of an advanced course that may be research culminating in a comprehensive written report. The proposed curriculum meets and exceeds these requirements.

	Semester Hours
ACADEMIC MAJOR	
Chemistry 1411, 1412, 2421	12
Chemistry 3151, 3152, 3201, 3351, 3352, 4181, 4233, 4331, 4332, 4333, 4391	25
Chemistry (advanced)	4
OTHER REQUIREMENTS	
Biology 1301, 3301, 3403	10
Biology (advanced)**	8
Communication 2301	3
Computer Science 1331	3
English 1301, 1302, sophomore literature, 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Mathematics* 1321, 2331, 2332	9
Physical Activity	1
Physics 1103, 1104, 1311, 1312	8
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
Biology	0
ELECTIVES	
Electives	17

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

* The student is expected to have completed two years of high school algebra and one-half year of high school trigonometry. If not, Mathematics 1302 or 1303 should be completed as applicable before enrollment in Mathematics 1321.

* Biology 3411 and 4350 are recommended.

Bachelor of Science
(Chemistry major with teacher certification)

	Semester Hours
ACADEMIC MAJOR	
Chemistry 1411, 1412, 2421	12
Chemistry 3151, 3152, 3201, 3351, 3352, 4181	11
Chemistry (advanced).....	9
OTHER REQUIREMENTS	
Biology	8
Communication 2301 or 2331	3
Computer Science 1331	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302.....	3
Physical Activity	1
Physics 1103, 1104, 1311, 1312.....	8
Social Science (economics, geography, psychology, sociology) lower division.....	3
Visual and Performing Arts (art, drama, music) lower division.....	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, and 4630	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field*	24
ELECTIVES	
Electives	3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

The degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

It is strongly recommended that the student complete Mathematics 2331 and 2332.

* Second teaching field requirements vary from one academic discipline to another.

Chemistry as a Second Teaching Field with Secondary Certification. A student who chooses chemistry for a second teaching field must complete: Chemistry 1411, 1412, 2421, 3151, 3152, 3201, 3351, 3352, 4181, and three additional semester hours of advanced chemistry.

Premedical and Predental Students

(Students planning to apply to medical or dental school)

A student interested in applying for admission to medical or dental school may major in any undergraduate discipline. Health professional school admission committees do not have a preference about an undergraduate major field or degree, so the student should select a major and degree plan consistent with career interests should medical or dental school degree plans not materialize. Selecting such a major, rather than a major in "Premedicine" or "Predentistry", will provide the student with all course requirements for health professions school with an optional or alternative career choice as well.

Many health professions students major in Chemistry or Biochemistry, but majors in all fields are given equal consideration for admission to medical and dental schools. Students may also pursue career options of medical technology by following the medical technology degree plan or in nursing by following the nursing degree program. However, the student must contact the Chairperson of the Health Professions Advisory Committee as soon as possible to discuss major field selection, and the student must work closely with this advisor to develop an academic program which will satisfy the requirements of both the major field and the professional schools to which the student wants to apply. Information concerning majors and admission requirements of health professions schools is available from this advisor, and regular student conferences with this advisor are essential.

Pre-Pharmacy

Angelo State University offers courses which satisfy requirements for the first two years of most five- or six-year professional pharmacy programs as outlined by the various schools of pharmacy. However, the requirements of the different schools of pharmacy vary so widely that it is imperative that requirements of the school to which the student will seek admission be followed closely. To that purpose, the student should seek counsel from the Pre-Pharmacy Advisor in the Department of Chemistry and Biochemistry before enrollment.

Pre-Physical Therapy

Students may prepare for admission to the ASU Master of Physical Therapy (MPT)* program by completing 90 semester credit hours from any of the chemistry or biochemistry degree plans to include the prerequisite courses listed below. Applicants must have a minimum overall GPA of 3.00. All MPT program prerequisite courses must be taken within five years of program admission with a minimum grade of *B* in each course. At the time of application GPA is calculated by averaging grades for repeated prerequisite courses.

Biology 1301, 1101	Biology 2402
Biology 2423	Biology 2424
Chemistry 1411	Chemistry 1412
Physics 1311, 1103	Physics 1312, 1104
Psychology 2301	Psychology 2304
Nursing 4337 or Psychology 3305 or Mathematics 3321	

Optional courses: Biology 4423, Biology 4444, Biology 4480, Sociology 2301, Psychology 2305, Psychology 4305.

Students are encouraged to prepare for and apply for admission to more than one PT program. Other Texas physical therapy programs may have different requirements. Stu-

dents should contact the admissions office of each program to verify each school's prerequisites or consult with a Chemistry and Biochemistry department advisor or the pre-physical therapy advisor in the ASU Biology Department. Regular conferences with a pre-PT advisor are essential. For a more complete description of the Pre-Physical Therapy prerequisites and a description of the MPT program, see the Physical Therapy Department section (page 444) in the Graduate portion of this *Bulletin*.

*The ASU Physical Therapy Department is a candidate for accreditation with Commission on Accreditation in Physical Therapy Education (CAPTE). Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria, but does not ensure that a program will achieve accreditation.

COURSES IN CHEMISTRY (CHEM)

1101, 1102/1105, 1107 Elements of Chemistry Laboratory (0-2). Laboratory experiences to supplement Chemistry 1301 and 1302, respectively. Credit to be validated by credit in Chemistry 1301 and 1302.

Prerequisites: Chemistry 1301, 1302 respectively, or concurrent registration.

1301, 1302/1305, 1307 Elements of Chemistry (3-0). A survey of the fundamentals of chemistry. An introduction to organic and physiological chemistry and a survey of the chemistry of environmental systems.

Prerequisite: Chemistry 1301 is to be taken before Chemistry 1302. May not be taken after completion of Chemistry 1412. Credit may not be applied to a major or minor in chemistry or biochemistry.

1411, 1412/1411, 1412 General Chemistry (3-3). Study of the fundamental laws and theories of chemistry, chemical nomenclature, chemical equilibrium, metals and non-metals and their compounds, introduction to nuclear chemistry and the quantum theory of structure.

Prerequisite: Chemistry 1411 is to be completed before Chemistry 1412. Proficiency in algebra required.

2153 Fundamentals of Organic Chemistry Laboratory (0-3). Required laboratory experiences to supplement Chemistry 2353.

Prerequisites: Chemistry 2353 or concurrent enrollment.

2353 Fundamentals of Organic Chemistry (3-0). A brief survey of organic chemistry. Structural theory and the influence of structure on properties of organic compounds are emphasized. (Credit may not be received for both this course and Chemistry 3351.)

Prerequisite: Chemistry 1411. Credit to be validated by credit in Chemistry 2153.

2421 Inorganic Quantitative Analysis (3-4). Principles of volumetric analysis and theories of solutions. Includes some selected instrumental analysis procedures.

Prerequisites: Chemistry 1411, 1412.

3151 Organic Chemistry Laboratory (0-3). Required laboratory experiences to supplement Chemistry 3351.

Prerequisites: Chemistry 3351 or concurrent registration.

3152 Organic Chemistry Laboratory (0-3). Required laboratory experiences to supplement Chemistry 3352.

Prerequisite: Chemistry 3352 or concurrent registration and Chemistry 3151.

3201 Using Chemical Literature (2-0). An introduction to the use of Chemical Abstracts, scientific journals, monographs, reference material and standard spectra. Literature search techniques are illustrated using descriptive chemistry.

Prerequisite: 19 hours of chemistry.

3262 Physical Chemistry Laboratory (0-6). Laboratory experiences to supplement Chemistry 3361, 3362. Credit to be validated by credit in Chemistry 3362.

Prerequisites: Chemistry 2421, Chemistry 3361; and Chemistry 3362 or concurrent registration therein.

3331 Fundamentals of Biochemistry (3-0). A brief survey of biomolecules and their metabolism. Application to animal nutrition is made.

Prerequisite: Chemistry 2353.

3351, 3352 Organic Chemistry (3-0). Principles of organic chemistry, including a study of both aliphatic and aromatic compounds. Study of structural theory and reaction mechanisms.

Prerequisites: Chemistry 1412, Chemistry 3351 is to be completed before Chemistry 3352. Credit to be validated by credit in Chemistry 3151 and 3152 respectively.

3361, 3362 Physical Chemistry (3-0). Laws, theories, and concepts of physical chemistry.

Prerequisites: Credit for or parallel registration in Mathematics 2332. Physics 1331, 2342 are recommended.

4181 Seminar in Chemistry (1-0). Designed to encourage an exchange among chemistry majors and faculty members on selected topics. May be repeated once for credit.

Prerequisite: Chemistry 3201 or concurrent registration.

4191, 4291, 4391 Research. Individual research problems for superior students majoring in chemistry. (May be repeated to a total of six semester hours credit.)

Prerequisite: Chemistry 2421.

*4233 Biochemistry Laboratory (0-6). A survey of the techniques and applications of molecular biology and biochemistry. Emphasis on current techniques and structure/function relationships of biological macro-molecules.

Prerequisites: Biology 3403, Chemistry 3352, and Chemistry 4331.

*4331 Biochemistry (3-0). The chemistry of living organisms. Carbohydrates, lipids, proteins, vitamins, and related cellular constituents are considered.

Prerequisite: Chemistry 3352.

*4332 Intermediary Metabolism (3-0). Coordinated examination of enzymatic processes in the living cell.

Prerequisite: Chemistry 3352.

*4333 Biophysical Chemistry (3-0). This course presents an introductory development of classical thermodynamics and dynamics as it applies to equilibrium, kinetics, and the transport properties of biological molecules. Biophysical methods for characterizing biological macromolecules, such as light scattering, sedimentation, electrophoresis, and structure determination methods will be presented and discussed.

Prerequisite: Chemistry 3352 and Mathematics 2332 or concurrent registration. Chemistry 4331 is recommended.

* May be taken for graduate credit with permission of the Dean of the Graduate School.

4351 Advanced Organic Chemistry (3-0). Principles of reaction mechanisms, structure, and spectroscopic analysis as applied to theoretical, industrial, or biochemical studies.

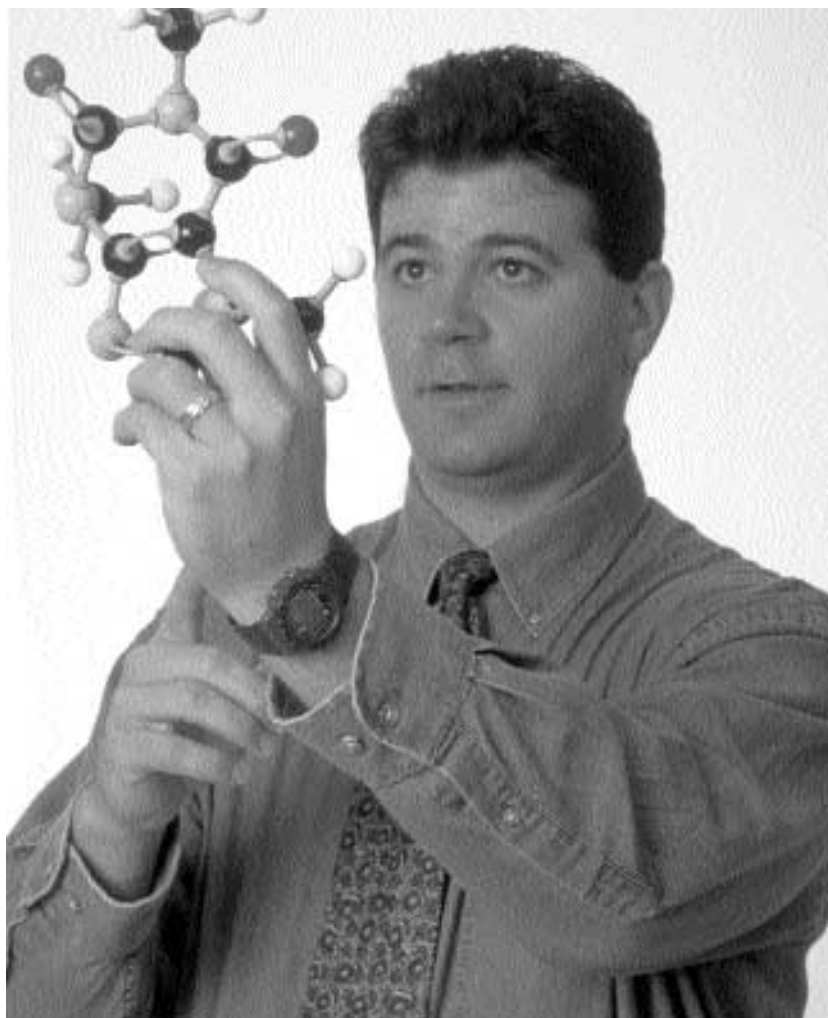
*4381 Special Topics. Selected topics in chemistry. May be repeated once for credit when topic varies.

Prerequisite: Junior standing with 19 hours of chemistry.

*4521 Instrumental Analysis (3-6). An introduction to the theoretical and practical aspects of physiochemical methods of analysis, including optical and chromatographic techniques.

Prerequisite: Chemistry 2421 and Chemistry 3352.

* May be taken for graduate credit with permission of the Dean of the Graduate School.



DEPARTMENT OF MATHEMATICS

Professor and Head: Johnny M. Bailey
 Professors: Amburgey, Evans, Zarnowski
 Associate Professor: Johnson
 Assistant Professors: Havlak, Smith, Swets
 Instructors: Barnard, Low, Montemayor,
 Moreland, Sidener, Talley

A prospective mathematics major should enter the University with a minimum of two full years of high school algebra, one full year of high school geometry, and one-half year of trigonometry.

Bachelor of Arts (Mathematics major)

	Semester Hours
ACADEMIC MAJOR	
Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4331, 4351	18
Mathematics (advanced)*	3
OTHER REQUIREMENTS	
Communication 2301	3
Computer Science 1331, Finance 2323, or University Studies 2323	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
Natural Science (two lab sciences: biology, chemistry, geology, physical science, physics)***	8
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	19-25

The above plan meets all core curriculum and general Bachelor of Arts degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

* Mathematics 3311, 3313, 3321 cannot be used to satisfy this requirement.

** See page 154 for modern language requirements.

*** Students may take the laboratory science courses in one or more disciplines.

Bachelor of Arts (Mathematics major with teacher certification)*

	Semester Hours
ACADEMIC MAJOR	
Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4322	15
Mathematics 4331 or 4351	3
OTHER REQUIREMENTS	
Communication 2301 or 2331	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323.....	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Humanities (English-an additional sophomore literature, History 2331, 2332, Philosophy 2301, 2311)	3
Modern Language 2311 (Spanish 2310 or 2311), 2312 (also 1301, 1302 if necessary)**	6-12
Natural Science (two lab sciences: biology, chemistry, geology, physical Science, physics)***	8
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field	24
ELECTIVES	
Electives	3

The above plan meets all core curriculum and general Bachelor of Arts degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

* Degree and teacher certification requirements will often exceed the normal 130-semester-hour minimum.

** See page 154 for modern language requirements.

*** Students may take the laboratory science courses in one or more disciplines.

Mathematics as a Second Teaching Field with Secondary Certification.
A student who chooses mathematics for a second teaching field must complete: Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, and 4322.

Bachelor of Science (Mathematics major)

	Semester Hours
ACADEMIC MAJOR	
Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4331, 4351	18
Mathematics (advanced)*	3
OTHER REQUIREMENTS	
Biology or Geology	8
Chemistry 1411, 1412	8
Communication 2301	3
Computer Science 1331, Finance 2323, or University Studies 2323	3
English 1301, 1302, sophomore literature, and 3351	12
Government 2301, 2302	6
History 1301, 1302	6
Physical Activity	1
Physics 1103, 1331, 1104, 2342	8
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	15

The above plan meets all core curriculum and general Bachelor of Science degree requirements. This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

Bachelor of Science (Mathematics major with teacher certification)**

	Semester Hours
ACADEMIC MAJOR	
Mathematics 1302, 1303, 1321, 2331, 2332	15
Mathematics 3301, 3307, 3333, 4301, 4322	15
Mathematics 4331 or 4351	3
OTHER REQUIREMENTS	
Biology or Geology	8
Chemistry 1411, 1412 or Physics 1103, 1331, 1104, 2342	8
Communication 2301 or 2331	3
Computer Science 1331, Education 2323, Finance 2323, or University Studies 2323	3
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6

* Mathematics 3311, 3313, 3321 cannot be used to satisfy this requirement.

** Degree and teacher certification requirements will often exceed the normal 130-semester-hour minimum for a baccalaureate degree.

History 1301, 1302	6
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
PROFESSIONAL EDUCATION	
Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3
SECOND TEACHING FIELD	
Second Teaching Field	24
ELECTIVES	
Electives	3

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

This degree requires a minimum of 130 semester hours with a minimum of 39 advanced hours.

Mathematics as a Second Teaching Field with Secondary Certification. A student who chooses mathematics for a second teaching field must complete: Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, and 4322.

DEVELOPMENTAL PROGRAM IN MATHEMATICS

ACT/SAT Requirements. A student admitted to the University who scores less than 18 on the mathematics section of the American College Test (ACT) or less than 350 on the quantitative section of the Scholastic Aptitude Test (SAT) or less than 400 on the quantitative section of the Scholastic Assessment Test I (SATI) will be required to enroll in Mathematics 130A and/or Mathematics 130B during the initial enrollment period.*

A student enrolled in Mathematics 130A or 130B is also subject to the special provisions regarding class attendance and withdrawals for developmental courses (p. 145).

Completion of Mathematics 130B with a grade of C or better or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT shall be a condition for enrolling in a college-level mathematics course.

TASP Requirements. There are two levels of achievement specified for the mathematics section of the TASP Test: the Minimum Passing Standard (230) and the College-level Algebra Standard (270). A test score which meets or exceeds the Minimum Passing Standard is considered *passing*, and a score below this standard is considered *failing*. The College-level Algebra Standard serves as an indicator of the student's readiness for college algebra. A student who does not meet this standard should expect to encounter some difficulty in college-level mathematics courses. There is no required developmental education associated with this standard.*

A student who fails the mathematics section of the TASP Test is required to complete Mathematics 130A and/or Mathematics 130B with a grade of C or better. The student must be continuously enrolled in the developmental mathematics program until that program is successfully completed. TASP requirements may then be satisfied by means of one of the options specified under Developmental Education (See p. 131).

* The minimum ACT, SAT, SAT I, and TASP scores are subject to change.

COURSES IN MATHEMATICS (MATH)

Developmental Courses

State regulations prohibit the use of credit in Mathematics 130A or Mathematics 130B to fulfill degree requirements; however, grades earned in these courses are included in the computation of a student's grade point average.

130A Fundamentals of Mathematics I (3-2). Fundamental operations involving whole numbers and fractions; decimals and percents; ratio and proportion; interpretation of graphs; metric and nonmetric geometry; counting; combinations and permutations; introduction to algebra. (Laboratory activities will supplement classroom instruction.)

130B Fundamentals of Mathematics II (3-2). Axioms and properties of the real number system; fundamental operations involving algebraic expressions; first degree equations and inequalities in one unknown; products and factoring; algebraic fractions; exponents and radicals; quadratic equations; functions and graphs; systems of equations; applications. (Laboratory activities will supplement classroom instruction.)

COLLEGE-LEVEL COURSES

A student enrolled in any college-level mathematics course who, in the judgment of the faculty and administration, does not have the basic mathematics skills necessary for the successful completion of that course may be required to drop the course and enroll in Mathematics 130A or Mathematics 130B if such action is determined to be necessary for compliance with State or University regulations.

1302/1314 College Algebra (3-0). Exponents and radicals, logarithms, factoring, algebraic quotients, systems of equations, inequalities, absolute value, complex numbers, quadratic equations, binomial theorem, progressions, theory of equations, and determinants.

Prerequisite: Mathematics 130B or equivalent, or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT.

1303/1316 Plane Trigonometry (3-0). Trigonometric functions, radian measure, logarithms, solutions of triangles, functions of composite angles, identities, trigonometric equations, and complex numbers.

Prerequisite: Mathematics 130B or equivalent, or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT.

1311 Mathematics for Business I (3-0). Review of algebra, business mathematics, mathematics of finance, matrix theory, and linear programming.

Prerequisite: Mathematics 130B or equivalent, or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT.

1312 Mathematics for Business II (3-0). Set theory, counting techniques and probability, random variables and distribution functions, and differential and integral calculus.

Prerequisite: Mathematics 1302 or 1311.

1321/1348 Analytic Geometry (3-0). Coordinate systems, translations, rotations, lines, circles, conics, parametric equations, and elementary three-dimensional geometry.

Prerequisites: Mathematics 1302, 1303; or equivalent.

1332 Introduction to Contemporary Mathematics (3-0). A course designed for liberal arts and other non-mathematics and non-science majors who wish to satisfy the three-hour core curriculum mathematics requirement. Topics include graphs and networks, theory of elections and apportionment, statistics, mathematical models.

Prerequisite: Mathematics 130B or equivalent, or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT.

1341/1335 Mathematics for Elementary Teachers I (3-0). Sets and relations, the system of whole numbers, numeration systems, the system of integers, elementary number theory, fractions and rational numbers, decimals and real numbers.

Prerequisite: Mathematics 1302.

1342/1336 Mathematics for Elementary Teachers II (3-0). Decimals and real numbers, nonmetric geometry, metric geometry, measurement, graphs, probability and statistics.

Prerequisite: Mathematics 1341.

2331/2313 Calculus I (3-0). Presentation of the idea of a limit of a function of one variable; continuity; derivatives; and elementary applications.

Prerequisites: Mathematics 1302, 1303, 1321; or equivalent.

2332/2314 Calculus II (3-0). Introduction to the (Riemann) integral and the relationship between the derivative and integral; techniques for evaluating integrals using the fundamental theorem of calculus; applications of the integral to physical and geometrical problems.

Prerequisite: Mathematics 2331.

3301/2318 Linear Algebra (3-0). The algebra and geometry of finite dimensional vector spaces; determinants; linear transformations and matrices; characteristic values and vectors of linear transformations.

Prerequisite: Mathematics 2331.

3307 Probability and Statistics I (3-0). Mathematical models of random events; probability spaces; random variables; dependence and independence; mean values and moments of random variables; distribution functions, and characteristic functions.

Prerequisite: Mathematics 3333.

3311 Elementary Number Theory (3-0). Tests for divisibility, unique factorization, integer representations, greatest common divisors, least common multiples, congruences, and the distribution of primes.

Prerequisites: Mathematics 1302, 1341, and 1342.

3313 The Evolution of Mathematics (3-0). Historical development of selected mathematical concepts, terminology and algorithms; impact of mathematics on the development of our culture.

Prerequisites: Mathematics 1302, 1341, and 1342.

3321 Statistics (3-0). A survey of basic statistical methods, including distributions, central tendency, variability, hypothesis testing and correlation; brief introduction to sampling techniques and nonparametric methods. For nursing students.

Prerequisite: Mathematics 130B or equivalent, or an acceptable score on the mathematics section of the ACT or the quantitative section of the SAT.

3333 Calculus III (3-0). Multivariate calculus and applications; indeterminate forms, multiple integrals, infinite series, and approximation techniques.

Prerequisite: Mathematics 2332.

3335 Differential Equations (3-0). Solution of differential equations, with geometric and physical applications.

Prerequisite: Mathematics 3333, or Mathematics 2332 with consent of instructor.

4301 Abstract Algebra (3-0). Elementary number theory including integer congruences and modular arithmetic, equivalence relations, basic topics in ring and group theory including the fundamental homomorphism theorems, structure and basic properties of fields.

Prerequisite: Mathematics 3301.

4311 Numerical Analysis (3-0). Number representations, error analysis; roots of equations; numerical integration, approximation, and differentiation; systems of equations; approximation by spline functions; ordinary differential equations; Monte Carlo methods and simulation.

Prerequisites: Mathematics 3333 and Computer Science 2301.

4321 College Geometry (3-0). Elementary geometry from an advanced point of view; comparison of different axiom structures.

Prerequisite: Mathematics 2332.

4322 A Survey of Mathematics with Applications (3-0). Logic and set theory, algebraic and transcendental functions, inverse functions, limits, the derivative and integral, sequences and series, linear systems, vectors, geometry, probability and statistics. Emphasis on applications utilizing the graphics calculator.

Prerequisites: Mathematics 3301, 3333, and 3307; 2.50 GPA, with no grade lower than C in all required mathematics courses attempted, cumulative and in residence. Mathematics 3307 and 4322 may be taken concurrently.

4331 Analysis (3-0). The real and complex number systems, Euclidean spaces, countable and uncountable sets, metric spaces, compactness, convergent sequences, Cauchy sequences, limits and continuity, uniform continuity, the derivative, the Riemann-Stieltjes integral, sequences and series of functions, uniform convergence.

Prerequisites: Mathematics 3301, 3333.

4351 Topology (3-0). Sets and functions, metric spaces, topological spaces, compactness, separation, connectedness, approximation.

Prerequisites: Mathematics 3301, 3333.

4361 Complex Variables (3-0). Complex numbers, analytic functions, complex integration, power series, residues, conformal mapping, and applications.

Prerequisite: Mathematics 3333.

4391 Research. Individual research problems. (May be repeated to a total of six semester hours credit.)

Prerequisite: Junior standing.

DEPARTMENT OF NURSING

Associate Professor and Head: Edward L. Russell

Professor: Mayrand

Associate Professors: Balzer, Hutchinson

Assistant Professors: Allison, Artnak, Dye, Ferguson, Lester, Sleutel, Wooten, Zellmer

Professional Specialists: Darr, Drone, Gabbert, Guinn, Halfmann, Martin,

Osmanski, Ross, Tafoya, Wilkinson, Willeke

Angelo State University offers the Associate in Applied Science in Nursing degree and the Bachelor of Science in Nursing degree.

The Department of Nursing at Angelo State University offers unique career mobility in its two programs, the Associate Program and the Baccalaureate Program. An Associate in Applied Science degree is awarded upon satisfactory completion of the associate program, and the student is eligible to take the National Council Licensure Examination-Registered Nurse (NCLEX-RN) for licensure to practice as a Registered Nurse. Qualified students from an accredited associate program in nursing may continue their nursing studies and work toward receiving a Bachelor of Science in Nursing degree.

MISSION STATEMENT

The Department of Nursing supports the Mission of Angelo State University by providing access to multi-level educational programs in order to prepare competent professionals to meet the nursing care needs of a culturally diverse society. Recognizing the individual diversity of learners, the Department is committed to excellence in nursing education by providing a supportive and caring environment in order to facilitate personal and professional growth, educational mobility, and life-long learning.

PHILOSOPHY

We, the faculty of the Department of Nursing at Angelo State University, hold true the following beliefs and values as a guide for preparing competent professional nurses to meet the nursing care needs of a culturally diverse society. These beliefs and values are the framework for all faculty activities, including teaching, scholarship, research, practice, leadership and service.

Nursing, as an academic discipline, requires synthesis of knowledge, critical thinking, problem solving, decision making, individual accountability, technical proficiency and leadership. The art of nursing is the application of this knowledge in caring, collaborative and therapeutic partnerships to promote, maintain, or restore health, or achieve a peaceful death. Integration of the art and science of nursing is manifested in the three major roles of the nurse. The three major roles of the nurse are to provide and coordinate care for clients (individuals, families, and/or communities) in a variety of settings, and to participate as a member of the profession.

The faculty respects clients as unique beings with biophysical, psychological, and sociocultural needs. Each client (individual, family, and/or community) has the right and responsibility to participate in making decisions and choices that govern responses to meet these needs.

As health professionals, we believe health is a dynamic state that is experienced on a wellness-illness continuum. Each individual has a perception of their own optimal health. Health is impacted by lifestyle choices, cultural influences, access to health care, and

adaptation to internal and external environmental (physical, biological, psychological, social, technical, and cultural) stressors.

The faculty believes health care needs of the community are best served by multiple levels of nursing practice with the purpose of nursing education being to produce competent, safe practitioners at the basic (AASN), general (BSN), and advanced (MSN) levels. Each level of nursing education builds and expands on prior knowledge and competency through programs of study that incorporate the humanities, physical and social sciences as well as nursing theory and traditions.

As nurse educators, the faculty believes the focus of associate degree nursing is directed primarily toward care of the individual (within the context of family) across the life span in structured settings. As provider of care, the associate degree nurse uses the nursing process, scientific rationale, and current literature to assess, provide, monitor, and evaluate direct patient care with technical proficiency. As coordinator of care, the associate degree nurse functions as a member of an interdisciplinary team. Emphasis is on meeting the needs of clients requiring assistance to maintain or restore optimum health, or achieve a peaceful death. As a member of the profession, the associate degree nurse assumes responsibility and accountability for practice within legal and ethical parameters. Associate education provides a foundation for baccalaureate study.

We believe the focus of baccalaureate nursing expands to include health promotion with individuals as well as communities in a variety of structured and unstructured settings. As provider of direct and indirect care the baccalaureate nurse employs both theoretical and empirical information in the analysis, interpretation, and management of client needs. As coordinator of care, the baccalaureate nurse utilizes expanded skills in communication, negotiation, and collaboration in order to assume leadership in an interdisciplinary team. As a member of the profession, the baccalaureate nurse utilizes political and organizational processes to advance professional nursing standards. Baccalaureate education prepares graduates to advance to an area of specialized nursing practice.

The Master of Science in Nursing prepares advanced practice nurses. As a provider of care, the advanced practice nurse is an expert clinician, client advocate, and educator with a strong theoretical and research foundation in health promotion, restoration, disease prevention, and maintenance of function. As a result, the advanced practice nurse is able to assess, diagnose, and plan treatment of complex health problems, monitoring and enhancing response to therapeutic interventions. As a coordinator of care and with expertise in the roles of consultant, collaborator, and leader, the advanced practice nurse develops a longitudinal perspective of client (individual, family, and community) care across the wellness illness continuum. As a member of the profession, the advanced practice nurse gains knowledge by becoming a participant in the research process. The advanced practice nurse has a thorough and comprehensive knowledge of the interactive social, political, and economic elements that combine to exert a profound influence on the formation and development of health policy.

We believe that learning is a life long process in which an individual moves from the familiar to the unfamiliar in an environment that initially provides structure and then allows for increasing flexibility and creativity. We further believe that learning is optimized in a caring, participatory, and supportive environment that includes respect for individual diversity, access to resources, and a variety of activities.

Finally we believe faculty collegiality facilitates and promotes mentoring and pioneering activities in professional nursing. Faculty encourages and supports collaborative endeavors with students in a variety of scholarly activities within a wide range of health care contexts. Through example, facilitation, and scholarship, faculty strives to model commitment to a lifetime of continuing personal and professional development.

Associate in Applied Science in Nursing Degree

A student who successfully completes the prescribed course of study and passes the Texas Academic Skills Program (TASP) test will receive the Associate in Applied Science in Nursing degree and become eligible to take the National Council Licensing Examination for registered nurses (NCLEX-RN). Upon successful completion of the examination, the candidate will receive the designation Registered Nurse and will be eligible to work toward receiving a baccalaureate degree.

The associate degree nursing curriculum is designed to prepare a graduate with a liberal and technical education which facilitates provision and coordination of nursing care through the correlation of theoretical knowledge and application of clinical knowledge. Application of knowledge takes place in structured settings and through the utilization of the nursing process. The associate degree nurse is prepared to provide/coordinate care for a limited number of clients across the life span who may have predictable or unpredictable health care needs.

The primary purpose of the associate degree program is to prepare graduates to assume responsible and accountable roles as members of a health care team by (1) providing levels of skills, knowledge, and attitudes that will enable graduates to enter the nursing profession at a beginning practitioner level; (2) preparing the graduates with the knowledge base to write the National Council Licensing Examination for Registered Nurses (NCLEX-RN); and (3) providing a foundation for baccalaureate education in nursing.

The Associate in Applied Science in Nursing degree is a two-year program in nursing. The curriculum is fully accredited by the Board of Nurse Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners
P.O. Box 430
Austin, TX 78767-0430
512-305-7400

National League for Nursing Accrediting Commission
61 Broadway, New York, NY 10006
Telephone: 212-363-5555 ext. 153
Facsimile: 212-812-0390 Website: www.nlnac.org

Admission to the Associate Degree Program

The student pursuing the Associate in Applied Science in Nursing degree must apply to the Department of Nursing for admission to the Nursing Program.

Standards and Criteria for Admission to the Nursing Program

1. All requirements for regular admission to Angelo State University must be met.
2. The application for admission to the Nursing Program must be completed and on file in the Department of Nursing. Deadline is March 1.
3. All applicants are required to take the American College Test (ACT) or Scholastic Aptitude Test (SAT or SATI).
4. Applicants will be selected on the basis of academic ability based upon ACT/SAT scores and grade point averages of students who have completed college or university course work.
5. It is recommended that applications be completed and on file in the Department of Nursing office six months prior to beginning nursing courses.
6. All applicants are required to present a composite score of 20 or above on the American College Test (ACT) or a combined verbal and math score of 930 or above on the Scholastic Aptitude Test (SAT or SATI).

7. All applicants must have a cumulative grade point average (GPA) of 2.25 or better on previous college work.
8. Initial entrance into the Nursing Program requires acceptance and occurs only during the SUMMER SESSION.
9. The licensed vocational nurse (LVN) or the graduate vocational nurse (GVN) applicant who meets the admission criteria and is eligible for acceptance must meet the deadline for acceptance. Validation of the current Texas LVN license/or Texas GVN Permit must be in the student's file before admission is final. Deadline for application for the spring LVN transition course is October 15.
10. Validation of immunization requirements by the Texas Department of Health for students enrolled in health related courses must be in the student's file prior to clinical assignments.
11. Because applications outpace the places for admission, applicants who meet the stated criteria for admission but who were prevented from enrolling because of class size limitations will be reconsidered should a vacancy occur. The best qualified applicant will be invited to enter the nursing program.

Early Acceptance to the Associate Degree Program

Standards and Criteria for Early Acceptance before December 1.

1. All requirements for admission to Angelo State University must be met.
2. The application for admission to the Nursing Program must be completed and on file in the Department of Nursing. Deadline is October 15.
3. All applicants are required to take the American College Test (ACT) or Scholastic Aptitude Test (SAT).
4. Applicants with a composite score of 25 or above on the ACT or a combined math and verbal score of 980 or above on the SAT are eligible for Early Acceptance to the Nursing Program.
5. Applicants with non-nursing baccalaureate or higher degrees and with a 3.10 or higher GPA on a 4.0 scale are eligible for Early Acceptance.

Standards for Continuing in the Associate Degree Program.

1. Successful completion of each nursing course with a grade of *C* or better is required for continuation in the Nursing Program.
2. An overall grade point average of 2.00 or better on the 4.00 scale must be maintained.
3. All applicants must have a grade of *C* or better in the biophysical sciences (Biology 2423, Biology 2424, Biology 2411, Chemistry 1301 and Chemistry 1101).
4. LVN students in Registered Nursing 1401 must receive Texas LVN licensure to continue into Registered Nursing 1412/2460, Registered Nursing 2431/2461.

Standards for Readmission to the Associate Degree Program.

1. All general education, liberal arts, and science courses must be completed before consideration and action will be taken for readmitting a student to the nursing program. Deadlines for Applications for Readmission: Readmission to Spring Term - November 15; Readmission to Fall Term - July 15.
2. The student must present a grade of *C* or better in the biophysical sciences (Chemistry 1301/1101, Biology 2423, 2424, 2411).
3. The student must present an overall grade point average of 2.25 or better to be considered for readmission.

4. The student must meet the current ACT/SAT requirement for the semester they plan to reenter.
5. Readmission to the nursing program will be allowed only upon the recommendation of the nursing faculty. The nursing faculty may stipulate the applicant repeat a specified course or courses as a condition for readmission to the nursing program.
6. The recommendation of the faculty will be based upon potential success in the program and on the National Council Licensing Examination for RN. Consideration will be given to grade point average, ACT/SAT scores, reading level, withdrawal pattern, and course grades. The faculty is committed to assisting and promoting student success. The following criteria are designed to facilitate successful reentry into the nursing program:
 - a. The student will be required to have an interview with a nursing faculty committee that consists of at least two nursing faculty. The interview is for the student to state his/her case and for the faculty to evaluate knowledge previously learned by the student.
 - b. Prior to the interview the student is to arrange for a minimum of at least two letters from previous instructors, including the last clinical instructor, to be sent to the Readmission Committee. The letters are to contain the following:
 - 1) the reason for the student's lack of success
 - 2) report of previous academic and clinical performance
 - 3) a recommendation for or against reentry with supporting data
 - c. The student will take a Challenge Skills Exam containing at least three skills that were learned in the previous successfully completed nursing course.
 - d. The student and faculty will mutually agree upon a plan to encourage success in the nursing program.

Course syllabi for nursing courses contain criteria for successful completion of each course.
7. A student is allowed only one readmission to the nursing program. This one readmission negates future readmissions, except in EXTREME circumstances, warranting approval of the Vice President for Academic Affairs.
8. If a student is readmitted two years (four fall/spring consecutive semesters) after leaving the AASN program, the student will be required to audit the last nursing lecture and lab courses he/she successfully completed prior to enrolling in the subsequent nursing courses. If it has been more than two years (more than four fall/spring consecutive semesters) when the student is readmitted, the student will be required to reenter the AASN program with the beginning nursing courses for grades.

STANDARDS

The following standards must be maintained by each nursing student in order to remain in the Associate Degree Nursing Program: (1) Each nursing student must have a 2.00 overall grade point average at the completion of each semester in order to register for the next nursing course. (2) Each nursing student must have a grade of *C* or above in each nursing course and in biophysical science courses. (3) Each nursing student must demonstrate safe performance in the clinical laboratory at all times. (4) A nursing student must accept the responsibility for demonstrating physical and emotional health, subscribe to the Code of Ethics of the American Nurses Association, and adhere to the rules and regulations as defined in the current Nurse Practice Act of the State of Texas while in the performance of duties in the Nursing Program.

Should a nursing student be dismissed for failure to maintain any of these standards, the student may appeal dismissal to the Dean of Sciences through the Head of the Nursing Department.

UNSATISFACTORY CLINICAL PRACTICE

A student will be considered unsatisfactory if clinical experiences reflect negative performance, lack of preparation or absence.

- a. A student with unsatisfactory clinical preparation/performance will be sent to the nursing department campus for further study and preparation.
- b. Math exams must be passed within the established time frame, or the student will be sent back to campus and considered "unsatisfactory" in clinical.
- c. A pattern of three or more clinical "unsatisfactories" may result in the student failing the clinical portion of the course, and as a result, receive a failing grade for the course.
- d. A student with excessive clinical absences (as determined by the team) will be considered unsatisfactory and will result in failure of the clinical portion of the course.

UNSAFE CLINICAL PRACTICE

The nature of clinical nursing courses is such that students are involved in the direct delivery of patient care services. The primary purpose of any course is to provide education for students. However, when direct patient care is involved in the learning experience, the safety and well-being of patients are also of paramount concern. Nursing clinical experiences are structured so that as students progress through the program, they are expected to demonstrate increasing independence and competence in providing nursing care.

Students are expected to demonstrate achievement of clinical objectives by the end of a clinical course, and, in usual circumstances, are allowed to continue in that course. In the unusual circumstance that, in the instructor's professional judgement, a student is unable to provide safe nursing care to patients as delineated in *Standards of Professional Nursing Practice* (BNE, latest edition) and, if this deficit is such that the nursing faculty agree it cannot be remedied in the given clinical time within the limits of available faculty supervision, the student will be removed from the clinical setting and will receive a grade of F in the course.

A student whose performance in a clinical laboratory is judged to be unsafe by the Nursing Department faculty, based upon established standards for nursing care, may be dropped from the course and/or removed from the Nursing Program at any time upon recommendation of the Head of the Nursing Department and the approval of the Dean of the College of Sciences. A student dropped from a nursing course under these provisions will be given a failing grade at the time a decision is made.

The responsibility for bringing allegations of a student's unsafe clinical performance to the Nursing Department faculty shall be the responsibility of the faculty member in charge of the course. A nursing student dropped from a course and/or dismissed from the nursing program prior to the end of a semester or summer term may request a review of his/her case by the Vice President for Academic Affairs. If the student disagrees with the administrative decision made by the Vice President for Academic Affairs, he/she may appeal the decision by submitting a written request to the President within 48 hours. The request for a hearing shall state fully the nature of the appeal, and the hear-

ing will be restricted to the issues raised by the student in his/her request for the hearing. The student will be informed in writing regarding the arrangements for the hearing.

Pending a final determination of the case, the status of the student shall not be altered or his/her right to participate in the clinical laboratory portion of the class restricted except for reasons of the safety or well-being of persons or property as determined by the President of the University.

UNIFORM POLICIES

Each nursing student is required to purchase the uniform, accessories, supplies, and nursing student liability insurance and submit proof of required immunizations prior to assignment in clinical areas. In addition, students must maintain CPR certification. Each student is expected to conform to the ASU Dress Code for the Department of Nursing. The Angelo State University nursing uniform, emblem, and name tag may be worn only in the classroom, the clinical laboratory, or for activities associated with the Nursing Department.

EXIT EXAM POLICY

Students graduating with the AASN degree Spring 2002 and thereafter will be required to successfully pass an exit exam. The purpose of this requirement is to identify students needing assistance to maximize their success on the NCLEX-RN licensing exam. This exit exam will be from a national testing agency and will assess the student's nursing knowledge and ability to successfully complete the NCLEX-RN licensure exam. Successful completion of the exit exam will be a course requirement for the student's final nursing course. The exam is tentatively scheduled to be given the first week of April 2002. Students who do not achieve a successful score will be required to complete remediation activities before being allowed to take a second exit exam tentatively scheduled the first week of May 2002. Students who do not achieve a successful score on the second exit exam will be required to continue remediation and may finish the last nursing course, but the student will receive a grade of *I* (incomplete) for the course. This will delay the student's graduation and the application process for the NCLEX-RN licensing exam. Students are required to pay all fees related to the exit exam(s).

For the student who receives an *I* in the last semester due to a low exit exam score, the student must achieve an acceptable score on the NCLEX-RN CD-ROM program before the end of the next long semester. The NCLEX-RN CD-ROM preparation program is available from the Nursing Department at no charge to the student. Other remediation activities may be required. When an acceptable NCLEX-RN CD-ROM preparation score is achieved, the *I* grade will be converted to the letter grade that corresponds to the student's course average from the previous semester. The student must have the *I* grade converted to a grade of *C* or higher before the end of the next long semester or the *I* will become an *F* and the student must seek readmission to the nursing program and repeat the last nursing course and the exit exams. Readmission is not guaranteed. Refer to the ASU College *Bulletin* for additional information on the *I* grading system.

Associate in Applied Science in Nursing (69 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Registered Nursing 1105, 1119, 1144, 1209, 1341, 1343, 1361, 1363	17
Registered Nursing 1146, 1412, 2431, 2460, 2461	17
OTHER REQUIREMENTS	
Biology 2411*, 2423**, 2424***	12
Chemistry 1101****, 1301*****	4
English 1301, sophomore literature	6
Mathematics 1302 or 1311*****	3
Physical Activity	1
Psychology 1303, 2304*****	6
Sociology 2301	3

This plan meets all of the requirements for an Associate in Applied Science of Nursing and a portion of the core curriculum requirements for a Bachelor of Science degree.

Alternate Track for the LVN Student*****

	Semester Hours
ACADEMIC MAJOR	
Registered Nursing 1327*****, 1160*****	18
Registered Nursing 1146, 1412, 2431, 2460, 2461	17
OTHER REQUIREMENTS	
Biology 2411*, 2423**, 2424***	12
Chemistry 1101****, 1301*****	4
English 1301, sophomore literature	6
Mathematics 1302 or 1311*****	3
Physical Activity	1
Psychology 1303, 2304*****	6
Sociology 2301	3

* Biology 2411 must be taken in or before the fall semester of the second year.

** Biology 2423 must be completed before RNSG 1343/1363 & 1144.

*** Biology 2424 must be completed before RNSG 1412/2460, 2431/2461 and the second year fall semester.

**** Chemistry 1301/1101 must be completed before RNSG 1105 and 1341/1361.

***** Mathematics 1302 or 1311 must be completed before RNSG 1343/1363 and 1144.

***** Psychology 2304 must be completed before RNSG 1412/2460 or 2431/2461.

***** For this track, the LVN student must meet admission deadlines.

***** Upon completion of RNSG 1327 and 1160 with a grade of C or better, the LVN student is given credit for RNSG 1105, 1144, 1341, 1361, 1343, 1363.

This plan meets all of the requirements for an Associate in Applied Science of Nursing and a portion of the core curriculum requirements for a Bachelor of Science degree.

COURSES IN REGISTERED NURSING (RNSG)

1105 Nursing Skills (0-2-0). Study of concepts and principles essential for demonstrating competence in the performance of nursing procedures. Topics include knowledge, judgment, skills, and professional values with a legal/ethical framework. Must be taken concurrently with Registered Nursing 1341 and 1361. (Formerly Nursing 1102 Nursing Skills II (0-2-0)).

Prerequisites: Chemistry 1101, 1301 and Registered Nursing 1209, 1119.

Corequisites: Registered Nursing 1341, 1361.

1119 Preparation for Basic Nursing Care (0-2-0). Development of basic nursing skills for care of diverse clients across the life span. Topics include knowledge, skills, and professional values within a legal/ethical framework. (Formerly Nursing 1101 Nursing Skills I (0-2-0)).

Corequisite: Registered Nursing 1209.

1144 Nursing Skills (0-2-0). Study of the concepts and principles necessary to perform intermediate or advanced nursing skills; and demonstrate competence in the performance of nursing procedures. Topics include knowledge, judgment, skills, and professional values with a legal/ethical framework. Must be taken concurrently with Registered Nursing 1343 and 1363. (Formerly Nursing 1103 Nursing Skills III (0-2-0)).

Prerequisites: Biology 2423 and Registered Nursing 1341, 1361, 1105.

Corequisites: Registered Nursing 1343, 1363.

1146 Legal and Ethical Issues for Nurses (1-0-0). Study of the laws and regulations related to the provision of safe and effective professional nursing care, attention given to the development of a framework for addressing ethical issues; and topics to include confidentiality, the Nursing Practice Act, professional boundaries, ethics, and health care legislation. (Formerly Nursing 2102 Role Development (1-0-0)).

Prerequisites: Registered Nursing 1343, 1363 or Registered Nursing 1327, 1160.

1160 Clinical-Nursing (0-0-3). A method of instruction providing detailed education, training, and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation, and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. (Formerly Nursing 1401 Transition to Associate Degree Nursing-Clinical)

Prerequisite for Spring Semester: Biology 2423; Chemistry 1101 and 1301; English 1301; Psychology 1303; Mathematics 1311 (recommended math for nursing majors) or 1302.

Corequisite: Registered Nursing 1327.

Registered Nursing 1327 and 1160 must be successfully completed simultaneously in order to progress.

Grades: *P, F, NC, W, WP, WF*.

1209 Introduction to Nursing (2-0-0). Overview of nursing and the role of the associate degree nurse as a provider of care, coordinator of care, and member of a profession. Topics include knowledge, judgment, skills, and professional values with a legal/ethical framework. (Formerly Nursing 1201 Introduction to Nursing (2-0-0)).

Corequisite: Registered Nursing 1119.

1327 Transition from Vocational to Professional Nursing (3-0-0). Topics include health promotion, expanded assessment, analysis of data, nursing process, pharmacology, multidisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the life span. (Formerly Nursing 1401 Transition to Associate Degree Nursing (3-0-3)).

Prerequisites for Spring Semester: Biology 2423; Chemistry 1101 and 1301; English 1301; Psychology 1303; Mathematics 1311 (recommended math for nursing majors) or 1302.

Corequisite: Registered Nursing 1160.

Registered Nursing 1327 and 1160 must be successfully completed simultaneously in order to progress.

Grades: *A, B, C, D, F, NC, W, WP, WF.*

1341 Adult Health I (3-0-0). Study of the general principles of caring for selected adult clients and their families with common health needs. (Formerly Nursing 1601 Fundamentals of Nursing).

Prerequisites: Chemistry 1101, 1301, and Registered Nursing 1209, 1119 (or equivalent).

Corequisites: Registered Nursing 1361 and 1105.

Registered Nursing 1341 and 1361 must be successfully completed simultaneously in order to progress.

Grades: *A, B, C, D, F, NC, W, WP, WF.*

1343 Adult Health II (3-0-0). Integration of previous knowledge and skills into the continued development of the associate degree nurse as a provider of care, coordinator of care, and member of a profession in the care of adult clients. (Formerly Nursing 1602 Nursing in Physical & Mental Health I).

Prerequisites: Biology 2423, Registered Nursing 1341, 1361, 1105.

Corequisites: Registered Nursing 1363 and 1144.

Registered Nursing 1343 and 1363 must be successfully completed simultaneously in order to progress.

Grades: *A, B, C, D, F, NC, W, WP, WF.*

1361 Clinical-Nursing (0-0-9). A method of instruction providing detailed education, training, and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-Site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. (Formerly Nursing 1601 Fundamentals of Nursing-Clinical).

Prerequisites: Chemistry 1101, 1301, and Registered Nursing 1209, 1119 (or equivalent).

Corequisites: Registered Nursing 1341 and 1105.

Registered Nursing 1341 and 1361 must be successfully completed simultaneously in order to progress.

Grades: *P, F, NC, W, WP, WF.*

1363 Clinical-Nursing (0-0-9). A method of instruction providing detailed education, training, and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation, and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. (Formerly Nursing 1602 Nursing in Physical & Mental Health I-Clinical).

Prerequisites: Biology 2423, Registered Nursing 1341, 1361, 1105.

Corequisites: Registered Nursing 1343 and 1144.

Registered Nursing 1343 and 1363 must be successfully completed simultaneously in order to progress.

Grades: *P, F, NC, W, WP, WF.*

1412 Nursing Care of the Childbearing and Childrearing Family (4-0-0). Study of the concepts related to the provision of nursing care of childbearing and childrearing families; application of systematic problem solving processes and critical thinking skills, including a focus on the childbearing family during preconception, prenatal, antepartum, neonatal, and postpartum periods and the childrearing family from birth to adolescence; and competency in knowledge, judgment, skills, and professional values within a legal/ethical framework. (Formerly Nursing 2830 Nursing in Physical & Mental Health II (4-0-12)).

Prerequisites: Biology 2424, Psychology 2304 and Registered Nursing 1343, 1363, and 1144. May be taken concurrently with Biology 2411 in the fall semester.

Corequisite: Registered Nursing 2460.

Registered Nursing 1412 and 2460 must be successfully completed simultaneously in order to progress.

Grades: *A, B, C, D, F, NC, W, WP, WF.*

2431 Adult Health III (4-0-0). Application of advanced concepts and skills for the development of the associate degree nurse's roles in complex nursing situations with adult clients. (Formerly Nursing 2831 Nursing in Physical & Mental Health III (4-0-12)).

Prerequisites: Biology 2424, Psychology 2304 and Registered Nursing 1343, 1363, and 1144. May be taken concurrently with Biology 2411 in the fall semester.

Corequisite: Registered Nursing 2461.

Registered Nursing 2431 and 2461 must be successfully completed simultaneously in order to progress.

Grades: *A, B, C, D, F, NC, W, WP, WF.*

2460 Clinical - Nursing (0-0-12). A method of instruction providing detailed education, training, and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-Site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. (Formerly Nursing 2830 Nursing in Physical & Mental Health II-Lab).

Prerequisites: Biology 2424, Psychology 2304 and Registered Nursing 1343, 1363, and 1144. May be taken concurrently with Biology 2411 in the fall semester.

Corequisite: Registered Nursing 1412.

Registered Nursing 1412 and 2460 must be successfully completed simultaneously in order to progress.

Grades: *P, F, NC, W, WP, WF.*

2461 Clinical - Nursing (0-0-12). A method of instruction providing detailed education, training, and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation, and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. (Formerly Nursing 2831 Nursing in Physical & Mental Health III-Clinical).

Prerequisites: Biology 2424, Psychology 2304 and Registered Nursing 1343, 1363, and 1144. May be taken concurrently with Biology 2411 in the fall semester.

Corequisite: Registered Nursing 2431.

Registered Nursing 2431 and 2461 must be successfully completed simultaneously in order to progress.

Grades: *P, F, NC, W, WP, WF.*

NURSING ELECTIVES (NUR)

2331 Women's Health Care (3-0-0). This course will present an analysis of selected issues and trends in women's health care. Students will evaluate past and present trends in the delivery and financing of health care for women, appraise positive and negative practices affecting physical and mental health, and examine major health deviations of women throughout the life cycle.

Prerequisite: Must have completed first-year nursing courses or equivalent.

2332 Nursing Aspects of Aging (3-0-0). Explores the current knowledge base concerning the process of aging incorporating the impact of societal values toward the elderly.

Prerequisite: Must have completed first-year nursing courses or equivalent.

2334 Basic Concepts in Identifying the Health Needs of Adolescents (3-0-0). This course addresses the range of normal growth and development and its relationship to behavior in adolescence. The student will develop skills to improve assessment, communication, and understanding of adolescents and their families.

Prerequisite: Must have completed first-year nursing courses or equivalent.

2335 School Health Care (2-0-3). This course will present an analysis of selected issues and trends in school health care. Students will examine the organization of school health programs, health appraisal aspects of health services, and theoretical foundations for health instruction. Students will participate in a variety of clinical experiences in school settings.

Prerequisite: Must have completed first-year nursing courses or equivalent.

2336 Computer Applications in Nursing Science (2-0-3). This course provides a survey of computer applications and informatics in nursing science. The student will use selected computer software programs to enhance critical thinking skills. Relevant computer capabilities such as database searching, electronic networking, and patient care terminals will be examined and applied to specific topics.

Prerequisite: Must have completed first year nursing courses or equivalent.

Bachelor of Science in Nursing Degree

The Bachelor of Science in Nursing degree program at Angelo State is designed for the registered nurse who has earned either an associate degree in nursing or a diploma from a hospital school of nursing. The baccalaureate program provides a broadened base in the biological and behavioral sciences as well as in-depth nursing skills needed to promote and provide professional nursing care. Community health nursing, research, and full length courses in leadership and management are content areas addressed in the baccalaureate core curriculum that are not addressed in the preceding levels of ed-

ucation. Baccalaureate education builds and enhances clinical scholarship, preparing graduates to advance to an area of specialized nursing practice. Leadership, knowledge, and skills are developed to influence change and bring about a higher level of health in individuals, families, aggregates, communities, and society.

Interaction occurs with individual clients and groups in a variety of primary, secondary, and tertiary health settings. Clinical experience in community-based settings are provided. The curriculum provides a basis for advanced study as well as continued personal and professional growth.

The Bachelor of Science in Nursing degree program at Angelo State University has received full accreditation from the Board of Nurse Examiners for the State of Texas and the National League for Nursing Accrediting Commission (NLNAC).

Board of Nurse Examiners	National League for Nursing Accrediting Commission
P.O. Box 430	61 Broadway, New York, NY 10006
Austin, TX 78767-0430	Telephone: 212-363-5555 ext. 153
512-305-7400	Facsimile: 212-812-0390 Website: www.nlnac.org

BSN Program Purposes

The primary purpose of the BSN program is to prepare graduates to assume responsible roles as members of the interdisciplinary health care delivery team by:

1. Providing opportunity for licensed registered nurses to continue educational preparation in a professional nursing program which uses a liberal arts, biophysical, and behavioral science base to enhance the continued development of knowledge, skills, and attitudes in nursing;
2. Preparing a generalist in nursing who is capable of functioning in a variety of settings and roles in order to meet the health needs of a diverse and multicultural society;
3. Providing a foundation for specialized nursing practice and advanced educational preparation;
4. Preparing a graduate who exercises critical thinking skills, applies problem-solving techniques, utilizes information and communication technologies, and incorporates professionalism into practice, laying a foundation for life-long learning.

Admission to the Baccalaureate Degree Nursing Program

Admission to the Bachelor of Science in Nursing degree program requires admission to the University as well as acceptance by the Department of Nursing. The student pursuing the Bachelor of Science in Nursing degree must apply to the Department of Nursing for admission to the Nursing Program.

CRITERIA FOR ADMISSION TO THE BACCALAUREATE DEGREE PROGRAM

1. Eligible registered nurses anywhere in the world can take the online BSN courses. Students who successfully complete the program will receive the Bachelor of Science in Nursing degree. The degree cannot be awarded to international students abroad, but those international students may complete the non-clinical portion of the BSN curriculum.
2. Entrance into the Bachelor of Science in Nursing degree program requires admission to both the University and the Department of Nursing. The educational experience of each registered nurse will be evaluated on an individual basis.
3. The application deadline for admission to the BSN program is: fall term April 1 or until filled; spring term October 15 or until filled.
4. The applicant must have a current license to practice as a registered nurse in the State of Texas or the state where the applicant will do clinical practice. Validation of current license or interim permit must be in the student's file before admission is final.
5. The new graduate who has taken the National Council Licensure Examination-Registered Nurse (NCLEX-RN) may be admitted to the BSN program before the test results are available (non-clinical courses only); however, in the event acceptable test scores and Registered Nurse licensure are not received, withdrawal from the BSN program is mandatory at the end of the current semester.
6. The applicant must have completed an NLNAC-accredited associate degree in nursing program.
7. Applicants who completed an NLNAC-accredited hospital diploma nursing program will need to complete placement examinations for evaluation of their knowledge base in courses that are prerequisite to entrance into the BSN program.
8. Official transcripts from all colleges attended, nursing schools, etc., must be on file in the Department of Nursing as well as the Registrar's Office.
9. The applicant must have a cumulative grade point average (GPA) of 2.50 (based on a 4.00 grading scale) on all college work. Petitions for provisional admission will be considered on an individual basis by the BSN faculty and Head of the Nursing Department. Applicants who are given provisional admission will be on probation, with the requirement that they achieve at least a 2.50 cumulative grade point average on all work until they have completed 10 semester credit hours of work in the BSN program at ASU. No applicant who has a cumulative grade point average below a 2.00 will be granted provisional admission.

STANDARDS

The following standards must be maintained by each student in order to remain in the BSN program and to graduate: (1) Each student must have a minimum 2.00 overall grade point average (GPA) at the completion of each semester in order to register for the next nursing course. (2) Each student must have a minimum 2.00 GPA in order to graduate. (3) Each student must have a grade of *C* or above in each nursing course. (4) Each student must demonstrate satisfactory performance in the clinical laboratory at all times. (5) A student must adhere to the rules and regulations as defined in the current Nurse Practice Act for the State of Texas, and must subscribe to the Code of Ethics of the American Nurses Association while in the performance of duties in the BSN program.

POLICIES

Individuals who request and are approved for readmission to the BSN program after failure and/or withdraw failing (*WF*) may be reinstated only once. Recommendation from the nursing faculty and a grade point average of 2.50 or better are required for readmission.

Each student is required to purchase the proper uniform and accessories prior to assignment in the clinical laboratory and to conform to the Nurse Dress Code. The uniform is to be worn only in the clinical and college laboratory areas or for activities associated with the Department of Nursing.

Also, each student who registers for a nursing course is required to purchase liability insurance prior to assignment in clinical laboratories. Application forms may be obtained in the office of the Department of Nursing.

BSN PROGRAM OUTCOMES

Upon completion of the program of study, the graduate will be able to:

PROVIDER OF CARE ROLE

1. Integrate theoretical and empirical knowledge and skills derived from nursing, the humanities, the biophysical and behavioral sciences as a basis for making discriminating ethical nursing judgments and practice decisions.
2. Utilize the nursing process for promoting, maintaining, and restoring adaptive behaviors of clients (individuals, families, and/or communities) along the health continuum in a variety of settings.
3. Utilize systematic techniques in accumulating, analyzing, and applying data and research knowledge as the basis for nursing practice.
4. Adapt professional nursing knowledge and competencies (behaviors) to the changing health needs of the global and diverse society and the health systems environment in which nursing and health care are provided.

COORDINATOR OF CARE ROLE

5. Collaborate with interdisciplinary health team members and consumers to improve the delivery of health care to individuals, families, groups and/or the community within a variety of settings.
6. Function as change agent, advocate, manager, leader, teacher, and coordinator in the delivery of quality, comprehensive nursing care within a diverse and multicultural society.

MEMBER OF A PROFESSION

7. Accept responsibility and accountability for nursing decisions, legal and ethical nursing actions, continued professional and personal growth and life-long learning.
8. Utilize communication and information technologies to advance quality comprehensive patient care and personal professional knowledge base.
9. Utilize political and organizational processes to advance professional nursing standards.

INTERNET COURSES

Beginning in the Fall of 1998, the Nursing Department began offering BSN program courses online via the Internet. The online courses offer students the flexibility and convenience in completing the BSN degree. Once students register for a class, they will receive password access. The majority of instruction will be provided via the Internet with course materials, syllabi, assignments, discussion groups, chat rooms, email, and exams. An orientation meeting will be held for registered students prior to the beginning of each course. These will generally be held the first week of the semester. Further in-class meetings are determined by the individual course objectives. Courses with clinical and laboratory hour requirements will require additional on-campus meetings and preceptor agreements with approved RN preceptors.

Students will be able to obtain a list of scheduled in-class meetings for Internet courses approximately six (6) weeks before the start of the semester from the secretarial staff in the Department of Nursing.

Students with specific questions or concerns should contact the professor of the course directly.

Access the BSN Student Handbook on the Internet at:

<http://www.angelo.edu/dept/nursing>

for additional specific information about the online program, clinical sites, on-campus requirements, preceptor requirements, and other important information.

Bachelor of Science in Nursing (64 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Nursing 3301, 3303, 3402, 3601, 4301, 4302, 4601	28
Nursing Elective	3
OTHER REQUIREMENTS	
Biology 3324	3
Communication 2301	3
Computer Science 1331, Finance 2323, or University Studies 2323	3
English 1302	3
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 3321, Psychology 3305, or Nursing 4337	3
Visual or Performing Arts (art, drama, music) lower division	3
ELECTIVES	
Electives	3

For the student who has completed ASU's the associate degree nursing program, the above plan meets all core curriculum and general requirements for the Bachelor of Science in Nursing degree.

COURSES IN NURSING (NUR)

Bachelor of Science in Nursing Degree Program

3301 Trends and Issues in Professional Nursing (3-0-0). Addresses pertinent trends and issues impacting professional nursing and the health care delivery system in general. A framework for ethical decision making is also presented.

Prerequisites: Registered Nursing 1412, 2460/2431, 2461 or equivalent.

3303 Professional Role Development (2-2-0). This course focuses on the theoretical basis of role development of the professional nurse including communication skills, teaching techniques, counseling methodologies, and political action. All topics are presented with practical applications for health care. May be taken concurrently with Nursing 3601.

3402 Introduction to Community-Based Care (2-2-3). Focuses on the theory and skills necessary to provide community-based care to clients across the life span including comprehensive health and physical assessment, case management, and home health care.

Prerequisite: Registered Nursing 1412, 2460/2431, 2461 or equivalent.

3601 Case Management of Individuals and Families (3-0-9). Application of the nursing process in the case management of well and ill individuals and families in a variety of settings. Emphasis is on theoretically-based nursing interventions.

Prerequisite: Nursing 3402. May be taken concurrently with Nursing 3303.

4301 Research Process in Nursing (3-0-0). Provides the student the opportunity to evaluate research studies for applicability of the findings in nursing intervention as well as to apply the basic steps of the research process to a project of his/her choice.

Prerequisite: Mathematics 3321.

4302 Management in Nursing Practice (3-0-0). Current theories of management, leadership, and change are explored and related to the nursing process in organizing and providing health care to individuals, families, aggregates, community, and society.

Prerequisites: Nursing 3301, 3601. May be taken concurrently with Nursing 4601.

4333 Critical Care Nursing (2-0-3). Explores the interrelationship of human biopsychosocial dimensions of critical care nursing and examines the theoretical basis and nursing process for alterations in human functioning as consequences of critical illness and care.

4334 Cardiopulmonary Rehabilitation (3-0-0). This course provides a basic understanding of exercise physiology of the cardiorespiratory system and in-depth study of diagnostic assessments, clinical care, and post-event rehabilitation methodology of the coronary patient. The student will develop skills to assess and monitor rehabilitative therapy for various levels of function. Psychological needs and support systems for the families of coronary patients are also discussed.

4335 Home Health Care (2-0-3). This course will present an analysis of selected issues and trends in home health care. Students will participate in a variety of clinical experiences with home health care clients.

4336 Pain and Therapeutic Interventions (3-0-0). Pain, perceived and diagnosed, is explored from a patient's perspective. Anxiety's effect on pain, the difference between pain and suffering, and therapeutic approaches will be discussed.

4337 Statistical Techniques for Health Professionals (3-0-0). Examines statistical techniques required to analyze data with specific applications for health professionals. Emphasis placed upon developing SPSS computer databases, data analysis, and interpretation of findings. Techniques include measures of central tendency and variability, correlation, regression, t-tests, ANOVA, chi square, and multivariate analysis.

4391 Research. A specialized course providing research opportunities for superior students enrolled in the nursing program.

Prerequisite: Junior standing.

4601 Community Health Nursing (3-0-9). This course focuses on theory-based nursing care of aggregates, communities, and society. Roles and functions of the community health nurse as well as settings for practice are examined.

Prerequisites: Nursing 3301, 3303, 3402, and 3601. May be taken concurrently with Nursing 4302.



DEPARTMENT OF PHYSICAL THERAPY

Master of Physical Therapy (MPT)

Please refer to the Department of Physical Therapy (p. 444) in the Graduate School section of this *Bulletin*.

For undergraduate pre-physical therapy requirements refer to supporting concentration outlines in the following undergraduate departments:

Department of Biology (p. 298)

Department of Chemistry and Biochemistry (p. 309)

Department of Kinesiology (p. 213)

Department of Physics (p. 343)

Department of Psychology (p. 281)



DEPARTMENT OF PHYSICS

Astronomy, Geology, Physical Science, Physics

Associate Professor and Head: Andrew B. Wallace

Professors: Dawson, Grenda, Loyd, Parker, Sonntag

Assistant Professors: Bixler, Hamilton, Sauncy

Bachelor of Science

(Physics major)

The American Association of Physics Teachers recommends students planning to do physics graduate work take Physics 2331 and Physics 4363. Those students who contemplate graduate studies in other disciplines will want to choose appropriate supporting concentrations. For students who plan to work in industry, the Applied Physics degree is recommended.

	Semester Hours
ACADEMIC MAJOR	
Physics 1103, 1104, 1331, 2331, 2342.....	11
Physics 3331, 3332, 3341, 3461, 4362, 4363, 4391*, 4452	26
Physics 3443 or 3444 or 4462.....	4
OTHER REQUIREMENTS	
Biology 1410, 1411 or Geology 1401, 1402	8
Chemistry 1411, 1412.....	11
Communication 2301.....	3
Computer Science 1331, 2301.....	6
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 2331**, 2332, 3333, 3335.....	12
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	6

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

The degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

* The student must complete this course during the last fall semester prior to graduation. No substitution will be allowed.

** The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1302, 1303, and 1321 should be completed before enrollment in Mathematics 2331. The student must complete Mathematics 2331 and 2332 prior to the second year of study and must complete Mathematics 3333 and 3335 prior to the third year of study.

SUPPORTING CONCENTRATIONS

Students may select single or multiple area supporting concentrations from any of those listed for a Bachelor of Science degree at Angelo State University. Students must complete 18 semester credit hours in a single area supporting concentration with six advanced hours in residence. Each discipline in a multiple area supporting concentration requires a minimum of nine hours with six advanced hours in residence. The Department of Physics must advise students on supporting concentration requirements. The following supporting concentration areas for the Physics degree are recommended.

- Biology/Chemistry
- Chemistry
- Computer Science
- Mathematics

Bachelor of Science

(Physics major with secondary teacher certification and mathematics teaching field)*

The American Association of Physics Teachers recommends students planning to teach physics at the secondary level complete a minimum of 32 hours of physics, 24 hours of additional science, and 16 hours of mathematics. Students planning to teach Advanced Placement courses should pursue graduate study in physics and professional education to the master's degree.

	Semester Hours
ACADEMIC MAJOR	
Physics 1103, 1104, 1331, 2331, 2342.....	11
Physics 3331, 3332, 3341, 3461, 4452, 4462	21
OTHER REQUIREMENTS	
Biology 1410, 1411 or Geology 1401, 1402	8
Chemistry 1411, 1412	8
Communication 2301 or 2331	3
Education 2323	3
English 1301, 1302 sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 2331, 2332, 3333, 3335*	12
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
SECOND TEACHING FIELD*	
Mathematics 1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, 4322	27

* If a second teaching field other than mathematics is chosen, this degree may require additional hours. The student should seek advice from the Department of Physics concerning the scheduling of mathematics courses as soon as possible. Mathematics courses 2331, 2332, 3333, 3335 must be completed if the student selects a second teaching field other than mathematics.

PROFESSIONAL EDUCATION

Education 4321, 4322, 4323, 4630.....	15
Educational Psychology 3311	3
Reading 4320	3

ELECTIVES

Electives	3
-----------------	---

The above plan meets all core curriculum and general Bachelor of Science degree requirements.

The degree requires a minimum of 130 hours with a minimum of 39 advanced hours.

Physics as a Second Teaching field with Secondary Certification. A student who chooses physics for a teaching field must complete: Physics 1103, 1104, 1331, 2331, 2342, 3461, 3331, 3341, and 4452.

Bachelor of Science

(Applied Physics major)

The American Association of Physics Teachers recommends students planning to do physics graduate work take Physics 2331 and Physics 4363. Those students who contemplate graduate studies in other disciplines will want to choose appropriate supporting concentrations. For students who plan to work in industry, the Applied Physics degree is recommended.

**Semester
Hours**

ACADEMIC MAJOR

Physics 1103, 1104, 1331, 2331, 2333, 2342	14
Physics 3331, 3341, 3342, 3443, 3461, 4391*, 4452, 4462	28

OTHER REQUIREMENTS

Biology 1410, 1411 or Geology 1401, 1402	8
Chemistry 1411, 1412	8
Communication 2301	3
Computer Science 1331, 2301	6
English 1301, 1302, sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 2331**, 2332, 3333, 3335	12
Physical Activity	1
Social Science (economics, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division	3

* The student must complete this course during the last fall semester prior to graduation. No substitution will be allowed.

** The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1302, 1303, and 1321 should be completed before enrollment in Mathematics 2331. The student must complete Mathematics 2331 and 2332 prior to the second year of study and must complete Mathematics 3333 and 3355 prior to the third year of study.

SUPPORTING CONCENTRATION	
Supporting Concentration	18
ELECTIVES	
Electives	5
The above plan meets all core curriculum and general Bachelor of Science degree requirements.	
This degree requires a minimum of 130 hours with a minimum of 39 advanced hours.	
SUPPORTING CONCENTRATIONS*	
Students may select single or multiple area supporting concentrations from any of those listed for a Bachelor of Science degree at Angelo State University. Students must complete 18 semester credit hours in a single area supporting concentration with six advanced hours in residence. Each discipline in a multiple area supporting concentration requires a minimum of nine hours with six advanced hours in residence. The Department of Physics must advise students on supporting concentration requirements. The following supporting concentration areas for the Applied Physics degree are recommended.	
Chemistry	
Computer Science	
Business Administration	
Mathematics	

Pre-Engineering

This program is intended for students who plan to transfer to a School or College of Engineering at the end of their second year of study. Students should acquire a catalog from the school they are transferring to for proper advising of electives.

	Semester Hours
ACADEMIC PROGRAM	
Physics 1103, 1104, 1331, 2333, 2342.....	11
OTHER REQUIREMENTS	
Chemistry 1411, 1412	8
Computer Science 1331, 2301	6
English 1301, 1302, sophomore literature*	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 2331, 2332, 3333**	9
Physical Activity	1
ELECTIVES	
Electives	9

* A semester of sophomore literature is required in some engineering schools. It is recommended that the requirements of the school of engineering which the student plans to enter be followed closely.

** The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, Mathematics 1302, 1303, and 1321 should be completed as applicable before enrollment in Mathematics 2331. Since the student must complete Mathematics 3333 prior to the third year of study, Mathematics 2331 and 2332 must be completed prior to the second year.

"3-2" Physics-Engineering Program

The department of Physics at Angelo State University offers in conjunction with the College of Engineering at Texas A&M University a dual degree program which upon satisfactory completion of the ASU curricula and the TAMU curricula leads to a B.S. degree in Applied Physics from ASU and the appropriate engineering degree from TAMU.

The program offers a five-year period of full-time study. The first three years are spent at ASU where the student pursues an Applied Physics curriculum. The last two years are spent at TAMU where the work in the appropriate engineering field is completed.

Similar programs are also offered in conjunction with the Department of Electrical Engineering at the University of Texas at El Paso, Department of Physics or Electrical Engineering at Texas Tech University, and with the Departments of Chemical, Civil, Electrical, Industrial and Mechanical Engineering at Lamar University in Beaumont.

Details of all these programs may be obtained by contacting the Head of the Physics Department at Angelo State University.

Pre-Physical Therapy

Students may prepare for admission to the ASU Master of Physical Therapy (MPT)* program by completing 90 semester credit hours from any of the physics degree plans to include the prerequisite courses listed below. Applicants must have a minimum overall GPA of 3.00. All MPT program prerequisite courses must be taken within five years of program admission with a minimum grade of *B* in each course. At the time of application GPA is calculated by averaging grades for repeated prerequisite courses.

Biology 1301, 1101	Biology 2402
Biology 2423	Biology 2424
Chemistry 1411	Chemistry 1412
Physics 1311, 1103	Physics 1312, 1104
Psychology 2301	Psychology 2304
Nursing 4337 or Psychology 3305 or Mathematics 3321	

Optional courses: Biology 4423, Biology 4444, Biology 4480, Sociology 2301, Psychology 2305, Psychology 4305.

Students are encouraged to prepare for and apply for admission to more than one PT program. Other Texas physical therapy programs may have different requirements. Students should contact the admissions office of each program to verify each school's prerequisites or consult with a Physics department advisor or the pre-physical therapy advisor in the ASU Biology Department. Regular conferences with a pre-PT advisor are essential. For a more complete description of the Pre-Physical Therapy prerequisites and a description of the MPT program, see the Physical Therapy Department section (page 444) in the Graduate portion of this *Bulletin*.

*The ASU Physical Therapy Department is a candidate for accreditation with Commission on Accreditation in Physical Therapy Education (CAPTE). Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria, but does not ensure that a program will achieve accreditation.

COURSES IN PHYSICS (PHYS)

1101/1111 Stellar Astronomy Laboratory (0-2). Laboratory experiences to supplement Physics 1301. Topics included are stellar magnitudes and distances, spectroscopy and spectral classification, stellar evolution, stellar motions, galaxies, and cosmology. Some night observing sessions are required.

1102/1112 Solar System Astronomy Laboratory (0-2). Laboratory experiences to supplement Physics 1302. Topics included are planetary orbits, telescopic observations of Saturn and Jupiter, lunar features, comets, celestial coordinates, celestial sphere concepts. Some night observing sessions are required.

1103 Physics Laboratory (0-3). Required laboratory experiences to supplement Physics 1311 or 1331. Concurrent enrollment in lecture required.

1104 Physics Laboratory (0-3). Required laboratory experiences to supplement Physics 1312 or 2342. Concurrent enrollment in lecture required.

1301/1311 Fundamentals of Astronomy (3-0). An introductory study of the current knowledge and techniques of astronomy. Stellar astronomy and cosmology will be emphasized.

1302/1312 Astronomy of the Solar System (3-0). A study of the current knowledge and techniques of astronomy as applied to our solar system. Information obtained from recent planetary probes and lunar exploration will be emphasized.

1311, 1312 General Physics (3-0). Study of mechanics, electricity and magnetism, sound, light, atomic physics. Credit to be validated by credit in Physics 1103 and 1104 respectively. (These courses will not count as the introductory physics courses for physics majors and pre-engineering majors.)

1331, 2342 Fundamentals of Physics (3-0). A comprehensive course with emphasis placed on the capacity to utilize the fundamental concepts of mechanics and heat in the solution of problems. Concepts of light, electricity, magnetism, and modern physics are also emphasized. Credit to be validated by credit in Physics 1103 and 1104 respectively. (These are the required introductory courses for physics majors and pre-engineering majors.)

Prerequisite for Physics 1331: Credit for or parallel registration in Mathematics 2331. Prerequisite for Physics 2342: Credit for or parallel registration in Mathematics 2332.

2331 Introduction to Mathematical Physics (3-0). An introduction to specific mathematical topics as applied to standard problems in physics.

Prerequisite: Mathematics 2332.

2333 Dynamics (3-0). A study of the kinematics and dynamics of particles and rigid bodies using the concepts of force, mass, and acceleration; work and energy; impulse and momentum.

Prerequisites: Physics 1103, 1331 and Mathematics 2332.

3331 Mechanics (3-0). Vectors, Newtonian mechanics, noninertial reference frames, central forces, systems of particles, rigid bodies, Lagrange's equations, and oscillating systems.

Prerequisites: Physics 1104, 2331, and 2342.

3332 Thermal and Statistical Physics (3-0). A study of thermodynamics and statistical methods in physics with applications from classical and quantum physics.

Prerequisites: Physics 2331 and 2342.

3341 Electricity and Magnetism (3-0). Maxwell's equations, electrostatics, magnetostatics, and electromagnetic waves.

Prerequisites: Physics 1104, 2331, and 2342.

3342 Electrical Circuits (3-0). A study of the fundamental principles of direct and alternating current circuits, magnetic circuits, and transformers.

Prerequisites: Physics 1104, 2342, and Mathematics 3335.

3443 Electronic Instruments (3-3). A study of the basic electronic instruments and their uses in science. Laboratory emphasis on the applications of these instruments and their operation and maintenance.

Prerequisites: Physics 1104, 2342.

3444 Digital Electronics (3-3). A study of the behavior of digital logic circuit elements, with an emphasis on applications in research instrumentation, industrial controls, and computer design.

3461 Modern Physics (3-3). An introduction to atomic physics, nuclear physics, and solid state physics.

Prerequisites: Physics 1104, 2342.

4191, 4291, 4391 Research. Individual research problems for superior students majoring in physics. (May be repeated to a total of six semester hours credit.)

Prerequisite: Junior standing.

4362 Solid State Physics (3-0). Crystallography, x-ray diffraction, metals, insulators, electrical and optical properties of semi-conductors and low temperature techniques.

Prerequisites: Physics 2331, 2342.

4363 Quantum Mechanics (3-0). A study of the fundamental principles of quantum theory with emphasis on both the Schrodinger and matrix formulations.

Prerequisites: Physics 2331, 3461.

4452 Applied Optics (3-3). An experimental study of geometrical and physical optics with emphasis on current applications to physics and related fields of study.

Prerequisites: Physics 2331, 2342.

4462 Applied Radiation Physics (3-3). A study of the production and detection of radiation and its interaction with matter. Emphasis will be placed on nuclear radiation.

Prerequisites: Physics 2331, 2342.

COURSES IN PHYSICAL SCIENCE (P S)

1101*, 1102*, 1115, 1117 Introduction to Physical Science Laboratory (0- 2). Required laboratory experiences to supplement Physical Science 1301 and 1302, respectively.

1301, 1302/1315, 1317 Introduction to Physical Science (3-0). An introduction to the foundations of physical science, including selected areas of physics, chemistry, space science, weather. Credit to be validated by credit in Physical Science 1101, 1102, respectively. Concurrent enrollment in laboratory required.

* Physical Science 3311 and 1101 may be taken concurrently and Physical Science 3312 and 1102 may be taken concurrently if needed to meet distributional laboratory requirements.

3311*, 3312* Physical Science Concepts (3-0). A study of physical systems and sub-systems, interactions, variables, motion, energy, electricity, and magnetism.

Physical Science as a Second Teaching Field. A student who chooses physical science for a second teaching field must complete the following courses:

OPTION I: Chemistry 1411, 1412; Physical Science 1101, 1102, 1301, 1302, 3311, 3312; and Physics 1103 and 1311.

OPTION II: Chemistry 1411, 1412; Physics 1103, 1104, 1311, 1312; and eight advanced hours of chemistry or physics.

COURSES IN GEOLOGY (GEOL)

1401/1403 Physical Geology (3-2). Earth materials, structure, land forms, mineral resources, and the processes that formed them. Includes physical aspects of oceanography in light of plate tectonics.

1402/1404 Historical Geology (3-2). Application of geological principles of interpretation of the stratigraphic record. Includes evolutionary changes and the use of fossils in time and space.

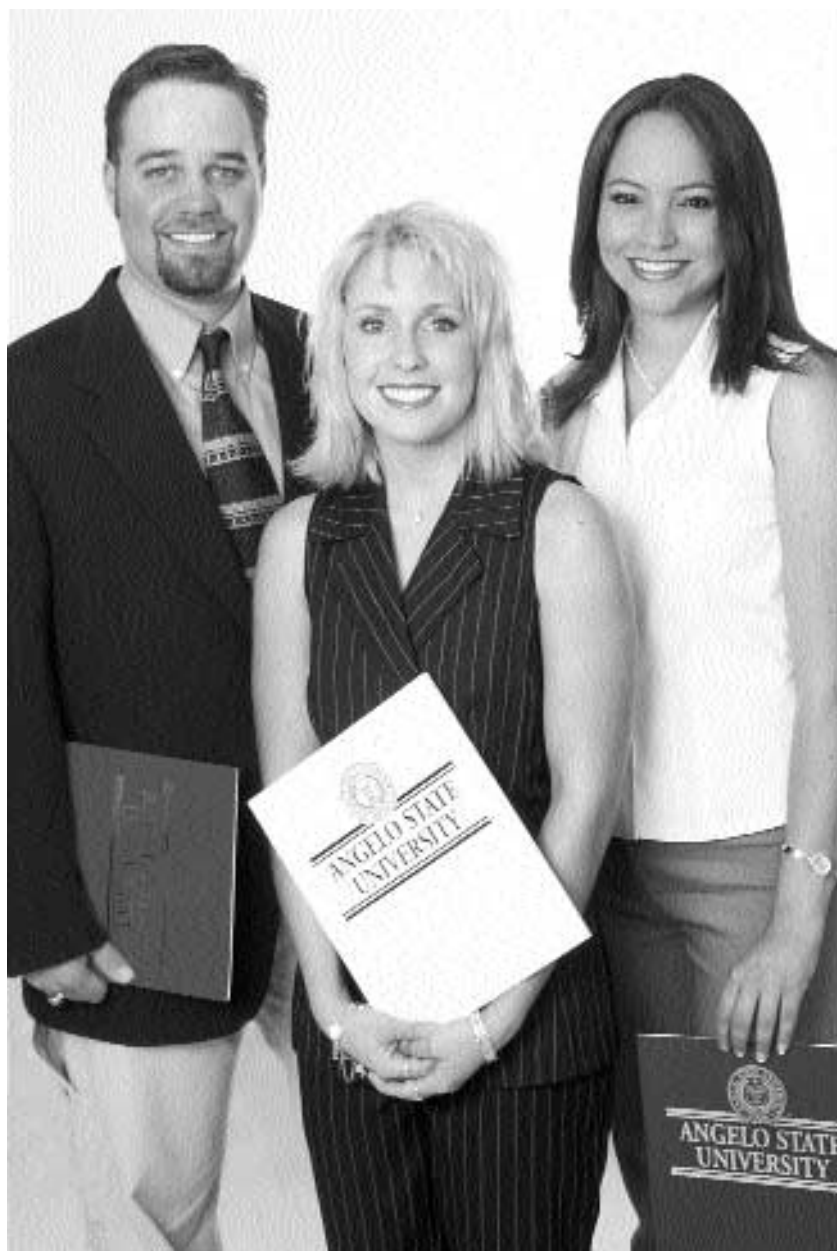
Secondary Teacher Certification. A student who chooses life-earth science as a second teaching field must complete the following courses: Biology 1410, 1411, 4412; Physics 1302; Geology 1401, 1402, and three advanced semester hours of biology (recommended: 3301, 3305, 3461, 4381, 4421, 4435).

* Physical Science 3311 and 1101 may be taken concurrently and Physical Science 3312 and 1102 may be taken concurrently if needed to meet distributional laboratory requirements.



THE SCHOOL OF EDUCATION

John J. Miazga, Ed.D., Dean



THE SCHOOL OF EDUCATION

Professor, Dean, and Certification Officer: John J. Miazga

Professors: Hademenos, Harvey, John, McCoulskey

Associate Professors: Hakes, Hines, Lowe

Assistant Professors: Eisenwine, Hadley, Leifeste, Tarver

Director of Field Experiences: Pennington

TEACHER CERTIFICATION PROCEDURE

Students desiring elementary, secondary, or all-level teacher certification are required to complete the following procedures toward teacher certification: (1) admission to the Teacher Education Program, (2) completion of certification program, and (3) approval to take appropriate ExCETs, and (4) recommendation for certification.

In accordance with Vernon's Civil Statutes, Article 6252-13c, the Commissioner of Education may suspend or revoke a teaching certificate, or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime which is directly related to the duties and responsibilities of the teaching profession. All potential certificate applicants with criminal felony or misdemeanor convictions should contact the Dean of the School of Education immediately to seek clarification of their certification status.

Procedures for Admission to the Teacher Education Program

Students must apply for admission to the Teacher Education Program when they have completed at least 60 semester credit hours (sch) but no later than 75 (sch).

Students applying for admission must submit to the Teacher Education Program:

1. A Teacher Education Program Application,
2. A degree plan or post-baccalaureate certification plan.
3. A current Department of Public Safety Criminal History Record.

At the time of application for the Teacher Education Program, all applicants must have completed:

1. Between 60 SCH and 75 SCH with a cumulative grade point average of 2.50, and
2. The course work to demonstrate proficiency in reading, writing, mathematics, communication, and critical thinking. All course work used to demonstrate proficiency must have a grade of *C* or better.

The student must have completed:

Reading	History 1301, 1302 or Government 2301, 2302
---------	---

Writing	English 1301, 1302
---------	--------------------

Mathematics	Mathematics 1302 or an equivalent course
-------------	--

Communication	Communication 2301 or 2331
---------------	----------------------------

All applicants must possess sound physical health, sound mental health, and acceptable moral character. The Admission and Retention Committee may require the student to undergo physical and/or psychological evaluation.

Procedures for Admission to the Student Teaching Program

Students applying for the Student Teaching Program must submit the following to the Teacher Education Program:

1. An application for student teaching.
2. A degree plan or post-baccalaureate certification plan with any modifications, during the long-term semester prior to student teaching and before the deadline date published in the *Bulletin*.
3. A current Department of Public Safety Criminal History Record.

All applications must be approved by the Admission and Retention Committee. Students applying after the deadline date for the student teaching semester must petition the Admission and Retention Committee for approval before an application is accepted.

At the time of application, all applicants must have completed:

1. All of the criteria for admission to the Teacher Education Program,
2. A minimum of 95 sch with a cumulative grade point average of 2.50, and
3. All applicable requirements listed below.

All applicants must possess sound physical health, sound mental health, and acceptable moral character. The Admission and Retention Committee may require the student to undergo physical and/or psychiatric evaluation.

STUDENT TEACHING ELIGIBILITY REQUIREMENTS

Note: Students should consult their degree plans for reference to required courses in their major (first teaching field or interdisciplinary major) and their minor (second teaching field or academic specialization).

Any deficiencies or requirements listed below must be corrected:

- (1) By the end of the second summer term for fall student teaching, or
- (2) By the end of the fall semester for spring student teaching.

Secondary or All-Level Certification

1. Students pursuing secondary or all-level certification in an area where the semester-hour-requirement for the major is:
 - a. 30-42 semester hours must have grade point averages in the major of 2.50 (cumulative and in residence) with no grade lower than a *C* in all required courses completed and must have completed a minimum of 24 semester hours (including nine advanced) in order to be eligible to student teach, or
 - b. More than 42 semester hours (including music and history with composite social studies) must have grade point averages in the major of 2.50 (cumulative and in residence) with no grade lower than a *C* in all required courses completed and must have completed a minimum of 48 semester hours (including 18 advanced) in order to be eligible to student teach. Music majors must also satisfy music proficiency requirements.
2. Students pursuing secondary certification in an area where the semester hour requirement for the minor (or second teaching field) is 24 or more semester hours must have grade point averages in the minor of 2.50 (cumulative and in residence) with no grade lower than a *C* in all required courses completed and must have

completed a minimum of 21 semester hours (including nine advanced) in order to be eligible to student teach.

3. Students pursuing secondary or all-level teacher certification must have completed all required advanced Professional Development courses (Education 4321, Educational Psychology 3311 except for Kinesiology majors who must complete Kinesiology 3357, and Reading 4320) with grade point averages of 2.50 (cumulative and in residence) with no grade lower than a *C* in order to be eligible to student teach.

Elementary Certification

1. Students pursuing elementary certification must have completed a minimum of 24 semester hours (including 15 advanced) in the interdisciplinary major, excluding the academic specialization, and 15 semester hours in the academic specialization (including six advanced), except in the Generic Special Education academic specialization where 21 semester hours (including 12 advanced) must be completed in order to be eligible to student teach. All required courses in the interdisciplinary major and in the academic specialization must be completed with grade point averages of 2.50 (cumulative and in residence) with no grade lower than a *C* in order to be eligible to student teach.
2. Students pursuing elementary teacher certification must have completed all required advanced Education courses with grade point averages of 2.50 (cumulative and in residence) with no grade lower than a *C* in order to be eligible to student teach.

ExCET ELIGIBILITY AND REGISTRATION PROCEDURES

In order for students at Angelo State University to be eligible to take the Examination for the Certification of Educators in Texas (ExCET), they must satisfy the applicable State minimum requirement as well as departmental requirements and complete the specified registration procedure.

Minimum State Requirements:

To be eligible to take the ExCET, a student must:

1. Have completed the approved certification program requirements, **or**
2. Be enrolled in the last semester of the certification program, **or**
3. Be in the spring semester prior to summer completion of the program requirements.

Institutional Requirements:

To be eligible to take the ExCET, a student must:

1. Have fulfilled the semester-hour residency requirements (courses completed at Angelo State University) in the certification program: 12 advanced semester hours in the major department and nine advanced semester hours in the minor department with the exceptions of physical science and life-earth science where six advanced semester hours are required. The residency requirements for post-baccalaureate students will be 12 advanced semester hours in each teaching field with the exceptions of physical science and life-earth science;
2. Have completed all required courses or approved equivalent courses during the six-year period previous to taking the ExCET, or otherwise have achieved a level of preparation considered satisfactory by the major or minor department;

3. Have completed all established departmental requirements for ExCET preparation, including practice testing, preparation workshops, seminars, required proficiencies, and other activities; and
4. Have obtained a minimum 2.50 GPA with no grade lower than a *C* (cumulative and in residence) in each ExCET area at the time eligibility is approved.

ExCET Registration Procedure:

The registration procedure to be followed by all students in obtaining approval to take the ExCET through Angelo State University are:

1. The student must report to both major and minor departments to determine eligibility.
2. Eligible students will be issued upon request an ExCET Registration Bulletin by the School of Education. This bulletin contains a registration form to be completed by the student and submitted to the certification secretary in the School of Education for the affixation of the required bar code. The student will also submit the pre-addressed envelope (found in the registration bulletin) including correct postage and a check or money order for the appropriate amount payable to NES.

ExCET Time Restrictions

Persons having completed program requirements for initial or additional certification at Angelo State University must pass appropriate ExCET(s) within two years of completion of program. Failure to comply with this requirement may result in having to complete additional requirements imposed by the appropriate department(s).

It is the student's responsibility to meet deadline dates published in the registration bulletin.

RECOMMENDATION FOR CERTIFICATION

In order for the Certification Officer to recommend a student for certification, the student must have earned a 2.50 overall grade point average, must have completed all required courses in the major, other secondary teaching fields, and elementary academic specialization areas with a grade point average of 2.50 in each of these areas with no grade lower than a *C*. In addition, the student must have earned a 2.50 grade point average in all advanced education and reading courses. All other university requirements must be completed. The student must also continue to demonstrate sound physical health, sound mental health, and acceptable moral character.

It is the student's responsibility to inform the Department of Education that all certification requirements have been completed, and to ensure that all appropriate forms and fees have been submitted. The student must also present satisfactory scores on all required Texas certification tests, i.e., the Examination for the Certification of Educators in Texas (ExCET), and the Texas Oral Proficiency Test (TOPT) for Spanish or French certification.

Bachelor of Science

Interdisciplinary Child Development and Learning major--
elementary certification program

Student completing this degree plan and all other certification requirements
will be eligible for:
Elementary Certification: Grades 1-6;
Academic Specialization, Grades 7 and 8;
Reading, Grades 7 and 8.
(130-136 semester hours)

	Semester Hours
ACADEMIC MAJOR	
Reading 2306, 2307, 3331, 3332, 4301, 4302	18
Educational Psychology 3301	3
Special Education 2361	3
Mathematics 1341, 1342.....	6
OTHER REQUIREMENTS	
Biology and/or geology*	8
Chemistry, physics, and/or physical science*	6
Communication 2301 or 2331	3
Education 2323	3
English 1301, 1302, one sophomore literature	9
Government 2301, 2302	6
History 1301, 1302	6
Mathematics 1302.....	3
Physical Activity	1
Social Science (economics, geography, psychology, sociology) lower division	3
Visual and Performing Arts (art, drama, music) lower division.....	3
ACADEMIC SPECIALIZATION	
Academic Specialization Area	18-24
PROFESSIONAL EDUCATION	
Students must have met admission to the Teacher Education Program requirements be- fore enrolling in the Education courses listed below.	
Education 4311, 4313, 4315, 4317	12
Student teaching	6
The student must choose the appropriate student teaching option:	
1. Elementary Grades 1-6.....	Ed 4614
2. Elementary and Early Childhood Endorsement	Ed 4392, Ed 4395
3. Elementary and ESL Endorsement	Ed 4394, Ed 4395
4. Elementary and Generic Special Education	Ed 4393, Ed 4395
5. Elem., Early Chd. and ESL Endorsements	Ed 4392, Ed 4394
6. Elem., Early Chd., and Gen. Spec. Ed.....	Ed 4392, Ed 4393
ELECTIVES	
Electives:	7-13
Elective hours may be used to complete requirements for endorsements.	

* At least two of the science courses completed for this degree must include a lab component.

Elementary Teacher Certification Academic Specialization Areas

Art:	1301, 1302, 1321 or 1322, 2311 or 2312, 3321, 3331 or 3341, and 3 advanced semester hours.
Biology:	1410, 1411; and 10 semester hours, 9 of which must be advanced. (Recommended: 3301, 3101, 3305, 3461, 4381, 4412, 4435).
Communication:	1351, 2301, 2331, 3331, 4361, and 3 advanced semester hours.
Drama:	1311, 1321, 2331, and 9 advanced semester hours.
English:	1301, 1302, 6 semester hours of sophomore literature, and 12 advanced semester hours including 3349.
French:	1301, 1302, 2311, 2312, 3311, and 6 additional advanced semester hours.
Generic Special Education:	Special Education 2361, 2362, 3364, 3365, 4362, 4363, 4364; Kinesiology 3343. Students choosing this teaching field will complete Education 4393 and 4395 in lieu of Education 4614.
German:	1301, 1302, 2311, 2312, 3311, and 6 additional advanced semester hours.
History:	1301, 1302, 2331, 2332, and 9 advanced semester hours, to include either 3301 or 4302 but not both; Geography 2301, 3302, or 3303.
Kinesiology:	1311, 1363, 2341, 3343, 3353, and 3 advanced semester hours.
Life-Earth Science:	Biology 1410, 1411, 4412; Geology 1401, 1402; Physics 1302; and 3 advanced semester hours of Biology. (Recommended: 3301, 3101, 3305, 3333, 3461, 4381, 4435)
Mathematics:	1302, 1341, 1342, 3311, 3313, and 3321.
Music:	1451, 1452, 3341, 3342, 3163, 3263, 4281, and 3 semester hours of applied music and 3 semester hours of ensemble.
Physical Science:	Chemistry 1411, 1412, Physical Science 1101, 1102, 1301, 1302, 3311, 3312; Physics 1301.
Reading*:	2306, 2307, 3331, 3332, 4301, and 4302.
Social Studies:	Economics 2300, 3331; Geography 2301 and either 3302 or 3303; Government 2301, 2302; History 1301, 1302, 2331, 2332, and 3301 or 4302.
Spanish:	1301, 1302, 2310 or 2311, 2312, 3311, and 6 additional advanced semester hours.

* Applies to post-baccalaureate certification plan.

Secondary Teacher Certification Second Teaching Field Areas

Art:	1321 or 1322, 2301, 2302, 2311 or 2312, 3321, 3331 or 3341, 3361, and 3 advanced semester hours.
Biology:	1301, 2401, 2402, 3301, 4303, 4181, 4451, and 2 advanced semester hours.
Chemistry:	1411, 1412, 2421, 3151, 3152, 3201, 3351, 3352, 4181, and 3 advanced semester hours.
Communication:	1361, 2301, 2311, 2331, 2345, 3321, 3311 or 4311, 3331, and 4361.
Computer Science:	1331, 2301, 2311, 2323, 3341, 4302, 4341, and 3 additional advanced semester hours.
Drama:	1311, 1321, 2331, 2334, 3334, 4311, 4312, 4321, and 4341.
English:	1301, 1302, 6 semester hours of sophomore literature, and 15 advanced semester hours, of which at least 3 hours must be in American literature (not including English 3335), 3 hours in advanced language studies (4358 or 4361), and 4320. Students may not use 3349, 3351, or 3352 for advanced credit in this program.
French:	1301, 1302, 2311, 2312, 3311, and 9 additional advanced semester hours.
Generic Special Education:	Special Education 2361, 2362, 3364, 3365, 4362, 4363, 4364; Kinesiology 3343. Students choosing this teaching field will complete Education 4393 and Education 4397 in lieu of Education 4630.
German:	1301, 1302, 2311, 2312, 3311, and 9 additional advanced semester hours.
Government:	2301, 2302, and 7 advanced courses including at least 1 course in each of the first 3 areas required of government majors and 2 from area 4.
History:	1301, 1302, 2331, 2332, and 15 advanced semester hours (to include either 3301 or 4302 but not both, 4350, and at least 3 semester hours of non-U.S. history). Geography 3303 is required.
Journalism:	1311, 1361, 2311, 2321, 2344, 3311, 3315, 4355, and 4364.
Kinesiology:	1311, 1363, 2341, 3341, 3361, 4351, 4370, and 1 course from 2321, 2322, 2323, 2324 or 2363. Students must complete 4 different Physical Activity courses. It is strongly suggested that students enroll in Physical Activity 1117 in preparation for 2321, 2322, 2323, and 2324. Physical Activity courses do not satisfy teaching field requirements.
Life-Earth Science:	Biology 1301, 2401 or 2402, 4412, 4451; Geology 1401, 1402, Physics 1302.

Life-Earth Sci (Bio Major):	Biology 4412 and 9 additional hours of advanced biology not taken in major (Recommended: 3101, 3305, 3333, 3461, 4381, 4435), Geology 1401, 1402, Physics 1302.
Mathematics:	1302, 1303, 1321, 2331, 2332, 3301, 3307, 3333, and 4322.
Physical Science (Option 1):	Chemistry 1411, 1412, Physical Science 1101, 1102, 1301, 1302, 3311, 3312; Physics 1103 and 1311.
Physical Science (Option 2):	Chemistry 1411, 1412; Physics 1103, 1104, 1311, 1312, and 8 advanced semester hours in Chemistry or Physics.
Physics:	1103, 1104, 1331, 2331, 2342, 3461, 3331, 3341, and 4452.
Social Studies (Composite Teaching Field):	Economics 2300, 3331; Geography 2301 and either 3302 or 3303; Government 2301, 2302, and 12 advanced semester hours of government; History 1301, 1302, 2331, 2332, 3301 or 4302, 6 semester hours of advanced U.S. history (excluding 3301 and 4302), and 9 advanced semester hours of non-U.S. history. History 4350 is strongly recommended.
Spanish:	1301, 1302, 2310 or 2311, 2312, 3311, and 9 additional advanced semester hours.

All-Level Teacher Certification

Music: Individuals interested in pursuing all-level teacher certification in music should consult with the Head of the Department of Art and Music.

Endorsement Requirements

EARLY CHILDHOOD EDUCATION

To be eligible for the Early Childhood Education (pre-kindergarten through kindergarten) endorsement, the student must complete all requirements for the Texas Provisional Elementary Certificate and the following courses.

- Early Childhood 3335 — Play Dynamics Research
- Early Childhood 3337 — Creative Development in Early Childhood
- Early Childhood 4305 — Cognitive Development
- Early Childhood 4307 — Language Acquisition
- Education 4392 — Supervised Teaching in Early Childhood

A pre-student teaching field practicum inclusive of pre-kindergarten and kindergarten settings that involve a variety of cultural and socioeconomic conditions will be required. Student teaching and the pre-student teaching field practicum may be waived with one year of successful pre-kindergarten or kindergarten classroom teaching experience in a school accredited or recognized by the Texas Education Agency.

ENGLISH AS A SECOND LANGUAGE (ESL)

To be eligible for the English as a Second Language (ESL) endorsement, the student must complete all requirements for the Texas Provisional Teaching Certificate and the courses listed below. Interested students should consult with the Head of the Department of Modern Languages concerning this program.

Linguistics 4310	— General Linguistics
Linguistics 3320	— Descriptive Linguistics
Linguistics 3330	— Applied Linguistics
English 4375	— English as a Second Language
Education 4394	— Supervised Teaching in ESL

One year of successful classroom teaching experience in an approved English as a Second Language or Bilingual Education Program is also required.

COURSES IN EARLY CHILDHOOD (ECH)

2305 Socio-cultural Relations in Early Childhood (3-0). Explores the multi-social, multi-lingual, multi-cultural contexts, and their effects on young children. Topics include cultural and social diversity, family issues, linguistic and bilingual foundations, community influence on development, day care, and special issues relevant to multi-cultural society. Emphasis is placed on the child to adolescence.

3335 Play Dynamics Research (2-2). A study of classical and contemporary theories of play. Focus of the study includes empirical basis of play as a component of cognitive, social, perceptual-motor, and developmental processes. Trends and issues of changes in play related to socio-dynamic influences and their effects on play quality, imaginative play, passive-aggressive play, and play therapy are considered. A field experience component is required.

3337 Creative Development in Early Childhood (3-0). A study of cognitive, affective, and psychomotor skills addressed through music, visual arts, creative movement, literature, and sensory perception. Emphasis on diagnosis and evaluation of early childhood development, nutrition, and health. Emphasis is placed on the young child to adolescence.

4305 Cognitive Development (3-0). A study of qualitative and quantitative changes in thinking, organizing, perceiving, and problem solving. Emphasizes the sensory motor, intuitive, concrete, and formal development periods.

4307 Language Acquisition (3-0). A study of language structure, sequence and process on the acquisition of language formation, cognitive aspects of language acquisition, social aspects of language in childhood, language variation, and language as a foundation of literacy. (Formerly ECH 4309)

COURSES IN EDUCATIONAL PSYCHOLOGY (EPSY)

3301 Child Development (3-0). A study of the human development processes in children from birth to adolescence including the developmental characteristics of learners in the cognitive, social, emotional and physical domain. Special issues relevant to a diverse multicultural society and their sociocultural influences which affect children's classroom behavior will be examined.

3311 Adolescent Development (3-0). The study of cognitive, social, personality, and emotional development of adolescents with emphasis on special developmental problems, testing, behavior and current social problems related to adolescent development. (Formerly Ed 3311)

COURSES IN READING (RDG)

2306 The Role of Affect and Literature in Reading (3-0). A study of the affective aspects of attitudes, motivation, interest, beliefs, feelings, and values of children's and adolescent's literature in helping students become lifelong readers. A variety of genre will be explored relating to social, emotional, intellectual and literacy development.

2307 Language Development and Literacy (3-0). The relationship of language development in listening, speaking, and writing to reading. Topics will include language development of students speaking English dialects, regional variants of languages, and English as a second language.

3331 Principles and Practices for Learning to Read (3-0). How reading begins in emergent literacy, continues to develop through application of research-based principles and practices, with various reading materials including technology.

Prerequisites: Reading 2306 and 2307.

3332 Components of the Reading Process (3-0). The interaction of cueing systems in reading—graphophonic, syntactic, semantic, and schematic—decoding and comprehending nonfiction and content area text at literal, inferential, and evaluative levels.

Prerequisites: Reading 2306 and 2307.

4301 Reading Diagnosis and Remediation (3-0). Provides experience in the use of informal and formal diagnostic techniques for identifying reading problems such as dyslexia and other reading disabilities. Recommendations for remediation are correlated with assessment, technology, and other strategies to meet individual needs of students.

Prerequisites: Reading 3331 and 3332.

4302 Field-Based Application of Reading Theory and Research (2-2). Students will apply reading knowledge and skills in a variety of settings: primary, intermediate, and middle school.

Prerequisites: Reading 3331 and 3332.

4320 Reading in the Secondary School Content Areas (3-0). A study of reading skills, learning and study and higher level thinking skills development in the content areas. Includes determining the readability of curriculum materials, adapting learning experiences, planning curriculum to accommodate student diversity in reading ability, and assessing student learning. A field experience component is required.

COURSES IN SPECIAL EDUCATION (SPED)

2361 A Survey of Exceptionalities (3-0). A survey of handicapping conditions including: physically handicapped, mental retardation, hearing impaired, visually impaired, speech handicapped, emotionally handicapped, learning disabled, and multiply handicapped. (Formerly Education 3362)

2362 Psychology of the Mentally Retarded (3-0). Nature and type of mental deficiency and retardation, measurement of defective intelligence, mental and personality development, school-home leadership, and discipline of the mentally retarded. (Formerly Education 3361)

3364 Problems in the Treatment of the Mildly Handicapped (3-0). Special problems related to the treatment of students mildly handicapped students. Designed to provide a working knowledge of treatment alternatives for mildly handicapped students.

3365 Principles of Assessment (3-0). Designed to provide a working knowledge of assessment, emphasizing the assessment of motor, perceptual, language, cognitive, and achievement problems. (Formerly Education 3363)

4362 Behavior Theory in the Treatment of the Mentally Retarded (3-0). The use of behavior theory in the treatment of the mentally retarded, emphasizing basic behavioral principles, task analysis, behavior management, classroom management, and parent training.

4363 Learning Disorders (3-0). The characteristics of learning disordered persons including a study of the psychomotor, affective, and cognitive processes.

4364 Language Disorders (3-0). A study of language development and language disorders. Receptive and expressive disorders in both oral and written dimensions will be considered. (Formerly Education 4364)

COURSES IN PROFESSIONAL EDUCATION (ED)

2323 Introduction to Computer Technology (3-0). A survey of computer technology systems supporting the instructional process with emphasis on technology foundations, acquisition of information, communications, problem solving, productivity, and evaluation tools. The course will introduce the student to technology concepts and terminology and to a wide range of microcomputer applications including presentation software, desktop publishing, authoring systems, telecommunications, multimedia, graphics, and integrated packages.

Students must have applied and been accepted into the Teacher Education Program prior to enrolling in any of the upper division education courses listed below.

4311 The Elementary School: Instructional Strategies in Language Arts and Social Studies (2-2). The development of the elementary school learner, including special student populations, with emphasis on social, emotional, and intellectual development will be stressed. Problem solving, critical thinking, and other appropriate strategies will be studied using concepts from the social studies and language arts essential elements. A field practicum is required.

4313 The Elementary School: Instructional Strategies in Mathematics and Science (2-2). The development of logical reasoning in children, stages of intellectual development, appropriate questioning strategies, and problem solving strategies and techniques in the elementary classroom will be studied. Concepts will be drawn from the mathematics and science essential elements. A field practicum is required.

Prerequisites: Mathematics 1341 and 1342.

4315 The Elementary School: Organization and Management (2-2). The organization and management of the elementary school, district classroom management policies, policies on the assessment of teachers, and legal and ethical aspects of teaching will be studied. A minimum of twenty-five clock-hours of field experience in an accredited elementary classroom is required. Concurrent registration in ED 4317 and student teaching is required.

Prerequisites: Education 4311, 4313 and admission into the Teacher Education Program.

4317 The Elementary School: Curriculum and Instructional Delivery (2-2). The Texas elementary essential curriculum elements, the instructional assessment of elementary students, diversified instructional programs designed to meet individual needs, educational technology, and classroom discipline strategies will be studied. A minimum of twenty-five clock-hours of field experience in an accredited elementary classroom is required. Concurrent registration in ED 4315 and student teaching is required.

Prerequisites: Education 4311, 4313, and admission into the Teacher Education Program.

4321 Secondary School Organization and Curriculum (3-0). A study of the structure, organization, and management of the secondary school system emphasizing state and local structures in Texas. Includes an examination of special student populations, the legal and ethical aspects of teaching, and career development. A field experience component is required.

4322, 4323 Teaching Techniques in the Secondary School (3-0). A study of the teaching process in the secondary school, including measurement and evaluation of student achievement, instructional media and technology, planning, classroom management, and questioning strategies. Micro-teaching and a field experience in a secondary school are required. Both courses must be taken concurrently with student teaching.

Prerequisites: Reading 4320, Education 4321, and admission into the Teacher Education Program.

4381 Special Topics (3-0). Selected topics in education. May be repeated once for credit when topic varies.

4391 Research. A specialized course which may be directed reading or research for superior students in education.

COURSES IN STUDENT TEACHING (ED)

4392 Supervised Teaching in Early Childhood (3-0). Observation of and participation in supervised teaching in the kindergarten or below.

4393 Supervised Teaching in Special Education (3-0). Observation of and participation in supervised teaching in the special education instructional setting.

4394 Supervised Teaching in ESL (3-0). Observation and participation in supervised teaching in an ESL classroom.

4395 Supervised Teaching in the Elementary School (3-0). Observation of and participation in supervised teaching in the elementary school. This course must be taken concurrently with Education 4392, 4393, or 4394.

4397 Supervised Teaching in the Secondary School (3-0). Observation of and participation in supervised teaching in the secondary school. This course must be taken concurrently with Education 4393, 4394, or 4395.

4614 Supervised Teaching in the Elementary School (6-0). Observation of and participation in supervised teaching in an elementary school.

4630 Supervised Teaching in the Secondary School (6-0). Observation of and participation in supervised teaching in a secondary school.



UNIVERSITY STUDIES PROGRAM

Numerous areas of study and research do not fit into a single disciplinary sphere, and in recent years the American academic community has given increasing attention to the interrelated nature of knowledge. It has become apparent that many significant topics of contemporary relevance are studied most appropriately through the use of data, theories, and methodologies from various academic disciplines. Program areas such as urban studies, environmental quality, and foreign area studies necessitate the use of insights from a variety of academic fields.

The University Studies Program at Angelo State University consists of courses which utilize an interdisciplinary or multidisciplinary approach. These courses will be designed and taught by members of the University faculty who have special interest in and qualifications for the utilization of the interdisciplinary approach.

With the approval of the appropriate academic dean, interdisciplinary courses may be used to fulfill general education and academic major requirements for baccalaureate degree programs. These courses also may be selected as electives in any of the baccalaureate degree programs offered by the University.

COURSES IN UNIVERSITY STUDIES (USTD)

1201 Critical Thinking (2-0). This course will analyze the learning process through an understanding of natural thinking skills and critical thinking skills. The course will cover the difference between fact and opinion and explore the effects of behaviors, attitudes, values, logical fallacies, and thinking errors on critical thinking. Perception, memory, and problem solving skills are also included in the course.

2323/COSC 1406 Fundamentals of Computer Usage (3-0). This course is designed to introduce the student to the use of computers. The course will require the student to demonstrate a mastery of computer terminology, a comprehension of the history and significance of computers in society, and an ability to use computers in a range of projects involving data processing, text writing, computer-aided instruction, and other applications related to teaching and research in the liberal arts. This course meets the computer literacy requirements for students seeking teacher certification. It also will help meet the growing need for using the computer as a research tool.

2381 Special Topics in Interdisciplinary Studies (3-0).

3381 Special Topics in Interdisciplinary Studies (3-0). These courses are designed to consider selected topics which lend themselves to the use of an interdisciplinary approach. Guest lecturers, team-teaching, and field study often will be included. Courses in various fields of study may be offered through the medium of newspaper or television as they are made available. Each course may be repeated once for credit when topic varies.

SUPPORTING CONCENTRATION IN ETHNIC STUDIES

Students may obtain a supporting concentration in Ethnic Studies by taking selected courses from the following: English 3335, 3339, 4336; History 3362, 4325, 4351; Sociology 3313, 3362; Spanish 3332 or 3333; 3325, 3327. A student desiring to use Ethnic Studies as a supporting concentration should consult with the appropriate department head and academic dean, particularly at the time a degree plan is prepared, and should select courses so that the program in Ethnic Studies meets University *Bulletin* requirements for a supporting concentration.



THE GRADUATE SCHOOL

Carol B. Diminnie, Ph.D., Dean



THE GRADUATE COUNCIL

The Graduate Council, working closely with the Academic Administration, is responsible for providing leadership to the University in the development and improvement of all phases of the graduate program. The primary responsibilities of the Council are (1) to serve in an advisory capacity to the Dean of the Graduate School; (2) to make recommendations to the President through administrative channels on academic policies and programs affecting the graduate program; and (3) to act as liaison between the Administration and the Graduate Faculty.

MEMBERS

Carol B. Diminnie, Ph.D., *Professor of Management and Dean of the Graduate School, Chair*

John N. Barbour, Ph.D., *Associate Professor of Government*

Kathleen A. Cegles, D.Ed., *Associate Professor of Physical Therapy, Department Head, and Program Director of Physical Therapy*

Terence A. Dalrymple, Ph.D., *Professor of English*

Roberto M. Garza, Ph.D., *Associate Professor of Government*

Judith A. Hakes, Ph.D., *Associate Professor of Education*

M. Cheryl Hines, Ed.D., *Associate Professor of Education*

Robert B. Lowe, Ph.D., *Associate Professor of Education*

Leslie M. Mayrand, Ph.D., *Professor of Nursing*

J. Kelly McCoy, Ph.D., *Assistant Professor of Biology*

Joan B. Rivera, Ph.D., *Associate Professor of Management*

Cody B. Scott, Ph.D., *Associate Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center*

Sangeeta Singg, Ph.D., *Professor of Psychology*

June H. Smith, Ph.D., *Associate Professor of Communication*

Norman A. Sunderman, D.M.A., M.B.A., C.P.A., *Professor of Accounting and Head of the Department of Accounting, Economics, and Finance*

James R. Ward, Ph.D., *Professor of History*

H. Earl Yarbrough, Jr., Ph.D., *Professor of Kinesiology*

Angelo State University is a member of the Council of Graduate Schools in the United States and the Council of Southern Graduate Schools.

EX OFFICIO MEMBER

Donald V. Coers, Ph.D., *Professor of English and Vice President for Academic Affairs*

THE GRADUATE FACULTY

2000 - 2001

Judith E. Adams, Ph.D. Assistant Professor of English
Specialization: American Literature and Composition and Rhetoric

F. David Alexander, Ph.D. Professor of Management
Specialization: Operations Management, Strategic Management

Nancy M. Allen, Ph.D. Professor of English
Specialization: Composition

Molly J. Allison, Ph.D. Assistant Professor of Nursing
Specialization: Adult and Cardiovascular Health

Bonnie B. Amos, Ph.D. Professor of Biology and
Specialization: Botany Head of the Department

Kathryn E. Artnak, Ph.D. Assistant Professor of Nursing
Specialization: Clinical Ethics; Cardiovascular Nursing

Tom F. Badgett, D.B.A. Professor of Marketing and Head of the
Specialization: Logistics Department of Business Administration

Margaret M. Balzer, Ph.D. Associate Professor of Nursing
Specialization: Community Health and Gerontology

Thomas A. Bankston, Ph.D. Professor of Finance
Specialization: Finance

John N. Barbour, Ph.D. Associate Professor of Government
Specialization: Public Administration

David L. Bixler, Ph.D. Assistant Professor of Physics
Specialization: Atomic, Molecular and Optical Physics

Alan P. Bloebaum, Ph.D. Professor of Biology
Specialization: Parasitology and Microbiology

Jeffrey G. Boone, Ph.D. Assistant Professor of Journalism
Specialization: Mass Communications, Communication Research Methods

Kurt H. Buerger, Ph.D., C.P.A. Professor of Accounting
Specialization: Management Accounting

-
- Mandy A. Carr, Ph.D. Assistant Professor of Animal Science
Specialization: Meat and Food Science and Research Scientist at the
Management, Instruction, and
Research Center
- Kathleen A. Cegles, D.Ed., P.T., G.C.S. Associate Professor of
Specialization: Geriatric Clinical Specialist Physical Therapy,
Head of the Department,
and Program Director
- Sudhir K. Chawla, Ph.D. Professor of Marketing and Frank
Specialization: Marketing Management Junell Professor in Business
- Melanie A. Croy, Ed.D. Professor of Kinesiology and
Specialization: Sport Psychology Head of the Department
- Terence A. Dalrymple, Ph.D. Professor of English
Specialization: Creative Writing
- Andrew J. Dane, Ph.D. Professor of Economics
Specialization: Comparative Economic Systems
- William B. Davidson, Ph.D. Professor of Psychology and
Specialization: Social and Personality Psychology Head of the Department of
Psychology and Sociology
- Ross C. Dawkins, Ph.D. Professor of Chemistry
Specialization: Biochemistry
- Arnoldo DeLeon, Ph.D. Professor of History and
Specialization: Latin-American History C.J. "Red" Davidson University
Professor in History
- Carol B. Diminnie, Ph.D. Professor of Management and
Specialization: Management Science Dean of the Graduate School
- Robert C. Dowler, Ph.D. Professor of Biology and
Specialization: Vertebrate Systematics and Mammalogy Mr. and Mrs. Victor P.
Tippett Professor in Biology
- Gloria A. Duarte, Ph.D. Professor of English
Specialization: Modern British Literature
- Marilyn J. Eisenwine, Ph.D. Assistant Professor of Education
Specialization: Early Childhood Education, Reading
- Jack C. Eli, Ph.D. Professor of Communication and
Specialization: Communication Theory Head of the Department of
Communications, Drama,
and Journalism
- J. Christopher Ellery, Ph.D. Associate Professor of English
Specialization: Drama, American Literature, Creative Writing

Charles A. Endress, Ph.D. Specialization: Modern European History	Professor of History and Head of the Department
Gilbert R. Engdahl, Ph.D. Specialization: Animal Nutrition	Professor of Animal Science, Head of the Department of Agriculture, and Director of the Management, Instruction, and Research Center
Shirley M. Eoff, Ph.D. Specialization: British History	Professor of History
James N. Forbes, Ph.D. Specialization: Developmental Psychology	Assistant Professor of Psychology
William Fuller, Ed.D. Specialization: Social Psychology, Abnormal Behavior	Assistant Professor of Psychology
Roberto M. Garza, Ph.D. Specialization: International Relations, Comparative Politics	Associate Professor of Government
Lula M. Goode, Ph.D. Specialization: Vocational Education	Professor of Business Administration
James C. Grenda, Ph.D. Specialization: Geology (Paleontology)	Professor of Geology
Larry M. Guerrero, Ed.D. Specialization: Exercise Science, Health Education	Assistant Professor of Kinesiology
James G. Hademenos, Ph.D. Specialization: Mathematics and Science Education	Professor of Education
Nancy J. Hadley, Ed.D. Specialization: Instructional Technology	Assistant Professor of Education
Judith A. Hakes, Ph.D. Specialization: Elementary Education	Associate Professor of Education and John S. Cargile University Professor in Teacher Education
Leigh J. Harbin, Ph.D. Specialization: Twentieth Century British Literature, Drama	Assistant Professor of English
Forrest W. Harlow, Jr., Ph.D., C.P.A. Specialization: Business Applications of Microcomputers	Professor of Finance and Nathan and Sylvia Don- sky Professor in Business
Mary Ellen Hartje, Ph.D. Specialization: Modern British Literature	Associate Professor of English
J. Noland Harvey, Ph.D. Specialization: Curriculum and Instruction	Professor of Education

-
- | | |
|--|--|
| Robert K. Hegglund, Ph.D.
Specialization: Management | Professor of Management and
Dean of the College of Business
and Professional Studies |
| E. James Hindman, Ph.D.
Specialization: 20th Century U.S. History,
U.S. Diplomatic History | Professor of History and
President of the University |
| M. Cheryl Hines, Ed.D.
Specialization: Reading | Associate Professor of Education |
| Kathleen A. Holcomb, Ph.D.
Specialization: 18th Century British Literature | Professor of English, Mr. Lee
Drain University Professor in
English, Coordinator of Institutional
Effectiveness, and Director of Self-Study |
| E. James Holland, Ph.D.
Specialization: International Relations | Professor of Government and
Dean of the College of Liberal
and Fine Arts |
| John K. Hubbard, Ph.D., P.T.
Specialization: Gross Anatomy, Musculoskeletal System | Assistant Professor of
Physical Therapy |
| Patricia L. Hutchinson, Ed.D.
Specialization: Exercise Physiology | Associate Professor of Nursing
and Physical Therapy and
Director of Health Sciences
Evaluation and Research |
| Douglas O. John, Ed.D.
Specialization: Secondary Education | Professor of Education |
| Cathy Johnson, Ph.D.
Specialization: Communication Technology | Assistant Professor of Journalism
and Ram Page Advisor |
| Crosby W. Jones, Jr., Ph.D.
Specialization: Microbiology | Professor of Biology |
| Laurence F. Jones, Ph.D.
Specialization: Public Administration, Urban Politics | Associate Professor
of Government |
| Susan E. Keith, Ed.D.
Specialization: Health Education, Kinesiology | Assistant Professor
of Kinesiology |
| Linda A. Kornasky, Ph.D.
Specialization: American Literature | Assistant Professor of English
and Editor of Self-Study |
| Terry J. Lehmann, Ph.D.
Specialization: Urban and Economic History | Professor of History |
| K. Fritz Leifeste, Ed.D.
Specialization: Educational Administration | Assistant Professor of Education |

Judy D. Lewis, Ph.D. Specialization: Systems, Audit	Associate Professor of Accounting
Robert B. Lowe, Ph.D. Specialization: Educational Administration	Associate Professor of Education
D. Pat Maddox, Ph.D. Specialization: Economics	Associate Professor of Finance
David S. Marsh, Ph.D. Specialization: Neurophysiology	Associate Professor of Biology
Terry C. Maxwell, Ph.D. Specialization: Ornithology, Avian Ecology	Professor of Biology
Brian J. May, Ph.D. Specialization: Animal Nutrition	Associate Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center
Leslie M. Mayrand, Ph.D. Specialization: Maternal-Child Health	Professor of Nursing and Graduate Advisor
Milton M. McCoulskey, Ph.D. Specialization: Special Education	Professor of Education
J. Kelly McCoy, Ph.D. Specialization: Quantitative Ecology	Assistant Professor of Biology
John J. Miazga, Jr., Ed.D. Specialization: Guidance and Counseling	Professor of Education, Teacher Certification Officer, and Dean of the School of Education
William A. Montgomery, Ph.D. Specialization: Clinical Psychology	Associate Professor of Psychology
James A. Moore, Ph.D. Specialization: Renaissance Literature	Professor of English and Head of the Department
Robert R. Mowrer, Ph.D. Specialization: Experimental and Physiological Psychology	Associate Professor of Psychology
Elisabeth-Christine Muelsch, Ph.D. Specialization: Nineteenth-Century French Literature	Associate Professor of French
John H. Nicholson, Ph.D. Specialization: Interpersonal Communication, Communication Theory	Assistant Professor of Communication
Virginia M. Noelke, Ph.D. Specialization: American Studies	Professor of History
Walter D. Noelke, Ph.D. Specialization: The Executive Process	Professor of Government

Edward C. Olson, Ph.D. Specialization: Political Behavior	Professor of Government and Head of the Department
Dennis E. Pate, Ph.D. Specialization: Medieval and Early Modern European History	Professor of History
Kathleen M. Price, Ph.D. Specialization: Exercise Physiology, Biomechanics	Associate Professor of Kinesiology
Krishnan A. Ranganathan, Ph.D. Specialization: Taxation	Assistant Professor of Accounting
Troy D. Reeves, Ph.D. Specialization: 17th Century English Literature	Professor of English
Joan B. Rivera, Ph.D. Specialization: Organizational Behavior, Human Resource Management	Associate Professor of Management
Connie A. Russell, Ph.D. Specialization: Behavioral Ecology, Science Education	Assistant Professor of Biology
Edward L. Russell, Ph.D. Specialization: Medical-Surgical Nursing, Adult and Extension Education	Associate Professor of Nursing and Head of the Department
Mary E. Sanders, Ed.D. Specialization: Diagnostics, Special Education	Assistant Professor of Education
Kraig L. Schell, Ph.D. Specialization: Industrial-Organizational Psychology	Assistant Professor of Psychology
Jeffrey B. Schonberg, Ph.D. Specialization: Rhetorical Theory and Linguistics	Assistant Professor of English
Cody B. Scott, Ph.D. Specialization: Grazing Management, Animal Behavior	Associate Professor of Animal Science and Research Scientist at the Management, Instruction, and Research Center
George E. Shankle, Ph.D. Specialization: Physical Chemistry	Professor of Chemistry and Head of the Department of Chemistry and Biochemistry
James F. Siekmeier, Ph.D. Specialization: Latin American History, History of U.S. Foreign Policy	Assistant Professor of History
Sangeeta Singg, Ph.D. Specialization: Counseling Psychology	Professor of Psychology
June H. Smith, Ph.D. Specialization: Interpersonal and Organizational Communication	Associate Professor of Communication

Ned E. Strenth, Ph.D. Professor of Biology
Specialization: Invertebrate Zoology

Norman A. Sunderman, D.M.A., C.P.A. Professor of Accounting
Specialization: Financial Accounting and Head of the Department of
Accounting, Economics, and Finance

David J. Tarver, Ed.D. Assistant Professor of Education
Specialization: Guidance and Counseling

Sharynn M. Tomlin, Ph.D. Associate Professor of Management
Specialization: Organizational Theory and Strategic Policy, International Business

Cary R. W. Voss, Ph.D. Assistant Professor
Specialization: Argumentation, Rhetoric of Communication

James R. Ward, Ph.D. Professor of History
Specialization: United States Colonial History

John M. Wegner, Jr., Ph.D. Assistant Professor of English
Specialization: Twentieth Century and Contemporary American Literature; Southwest Literature

Shelly D. Weise, Ed.D., P.T. Assistant Professor of Physical
Specialization: Cardiopulmonary System, Neurodevelopmental Treatment Therapy

John M. Wheeler, Ph.D. Professor of History
Specialization: American History 1860-1914, English History

James H. Wilkins, Ph.D. Associate Professor of
Specialization: Marketing Business Administration

H. Earl Yarbrough, Jr., Ph.D. Professor of Kinesiology
Specialization: Health and Physical Education

J. Thomas Yokum, Ph.D. Professor of Management
Specialization: Statistics, Forecasting

Guoqiang Zheng, Ph.D. Assistant Professor of History
Specialization: East Asian History

SPECIALIST GRADUATE FACULTY

Harriet K. Lewis, M.S., P.T. Professional Specialist
Specialization: Clinical Education, Ergonomics in Physical Therapy

Mark W. Pape, M.S., P.T. Professional Specialist in Physical
Specialization: Neuroscience, Gross Anatomy, Musculoskeletal System Therapy

Susan S. Wilkinson, M.S.N. Professional Specialist
Specialization: Medical-Surgical Nursing in Nursing

ADJUNCT PROFESSORS

Millard C. Calhoun, Ph.D. Specialization: Animal Nutrition	Adjunct Professor of Animal Science
B. Frank Craddock, Ph.D. Specialization: Sheep and Goat Specialist	Adjunct Professor of Animal Science
Andres de la Concha-Bermejillo, Ph.D., D.V.M. Specialization: Pathobiology	Adjunct Professor of Animal Science and Biology
Mary Gest, P.T., CCCE Specialization: Clinical Education, Wound Care	Adjunct Professor of Physical Therapy
James E. Huston, Ph.D. Specialization: Range Nutrition	Adjunct Professor of Animal Science
H. Kaye Ellis Johanson, P.T., CCCE Specialization: Clinical Education, Neurosensory System	Adjunct Professor of Physical Therapy
Christopher Lupton, Ph.D. Specialization: Wool and Mohair Research	Adjunct Professor of Animal Science
Rick Machen, Ph.D. Specialization: Ruminant Nutrition, Livestock Specialist	Adjunct Professor of Animal Science
Allen McGinty, Ph.D. Specialization: Range Science-Brush Control	Adjunct Professor of Animal Science
Patrick L. Moore, M.D. Specialization: Anesthesiology	Adjunct Professor of Biology
Bill Pinchak, Ph.D. Specialization: Range Science-Range Animal Nutrition	Adjunct Professor of Animal Science
Dale Rollins, Ph.D. Specialization: Wildlife Management	Adjunct Professor of Animal Science
Charles A. Taylor, Jr., Ph.D. Specialization: Range Nutrition	Adjunct Professor of Animal Science
Darrell Ueckert, Ph.D. Specialization: Range Management	Adjunct Professor of Animal Science
James F. Villers, P.T., CCCE Specialization: Clinical Education, Physical Therapy Administration & Management	Adjunct Professor of Physical Therapy
Daniel F. Waldron, Ph.D. Specialization: Animal Genetics	Adjunct Professor of Animal Science

John Walker, Ph.D.

Specialization: Range Science-Grazing Management and Animal Behavior

Adjunct Professor of Animal
Science

Renee Ward, P.T., CCCE

Specialization: Clinical Education, Geriatrics

Adjunct Professor of
Physical Therapy



THE GRADUATE SCHOOL OF ANGELO STATE UNIVERSITY

The Graduate School is essentially a body of scholars designated as the graduate faculty and of students duly admitted to pursue studies beyond the baccalaureate degree. The members of the graduate faculty are expected to maintain active participation in their respective fields of scholarship. The administrative head of the Graduate School is the Dean of the Graduate School, who reports to the Vice President for Academic Affairs. In each graduate degree program, the Dean of the Graduate School, with the approval of the Vice President for Academic Affairs, appoints one member of the graduate faculty to be graduate advisor.

The Dean of the Graduate School supervises all graduate course offerings, the programs of individual graduate students, and the research projects (theses and reports) of the degree candidates. The graduate advisors assume immediate responsibility for the programs and counseling of graduate students in their various areas.

The Graduate School faculty and administration authorize all degrees beyond the baccalaureate degree awarded by the University.

THE NATURE AND PURPOSE OF GRADUATE WORK

The purpose of graduate education is to provide for advanced and specialized training beyond the baccalaureate program. Graduate study is intended to strengthen the academic and professional competence of the student, to develop the student's capacity for independent study, to familiarize the student with past and current research, to train the student in the techniques of research, and to enable the student to relate his or her research to the investigations of other scholars and derive significant implications from the relationships.

Graduate study presupposes a broad background of knowledge, an adequate preparation in appropriate fields of study at the baccalaureate level, and a command of skills required to carry on intensive research and investigation with a high degree of resourcefulness and self-direction. Generally speaking, only students with superior undergraduate academic records are qualified to pursue study at the graduate level.

It should be noted that graduate studies differ from undergraduate studies in the following respects: (1) The graduate student is expected to assume greater responsibility and to exercise more individual initiative. (2) More extensive and intensive reading is required. (3) Greater emphasis is placed on productive research, with particular emphasis on the use of primary materials. (4) Seminar methods are employed with greater frequency, as greater class participation by the student is required. (5) Less instruction is provided in content, survey-type lecture courses.

Graduate study thus involves far more than the passing of a given number of courses and the fulfillment of certain minimum requirements. The student cannot be content solely with earning acceptable grades. The student must continually satisfy the Graduate Faculty in the major field by displaying superior intellectual powers and scholarly commitment in order to maintain graduate status and good standing in the school.

DEGREES AND AREAS OF STUDY

Graduate study is offered leading to seven different degrees. These graduate degrees and the fields of study are listed below.

Degree	Field
Master of Arts (MA)	Communications Curriculum and Instruction Elementary Education Instructional Technology Reading Secondary Education Special Education English History Interdisciplinary Studies International Studies
Master of Business Administration (MBA)	Management Accounting
Master of Education (MEd)	Educational Diagnostics Guidance and Counseling Reading Specialist School Administration
Master of Physical Therapy (MPT)	Physical Therapy
Master of Public Administration (MPA)	Public Administration
Master of Science (MS)	Animal Science Biology Interdisciplinary Studies Kinesiology Psychology Counseling General Industrial/Organizational
Master of Science in Nursing (MSN)	Medical-Surgical Nursing

Areas of Study

English as a Second Language Endorsement
Instructional Technology Certificate
Master Reading Teacher Certification
Superintendent Certification

GRADUATE SCHOLARSHIPS AND ASSISTANTSHIPS

Robert G. Carr and Nona K. Carr Academic Scholarships

Angelo State University offers academic scholarships for graduate students through funds provided by the Angelo State University Robert G. Carr and Nona K. Carr Scholarship Foundation.

Carr Academic Scholarships covering the cost of required tuition and fees may be awarded at the discretion of the University to qualified part-time graduate students pursuing approved graduate level courses in programs leading to masters' degrees at Angelo State University.

Any student who indicates on the scholarship application that he/she intends to pursue a master's degree full time and plans to complete nine or more semester credit hours every semester may be considered for additional funds up to a maximum of \$4,500 per calendar year of eligibility (\$1,500 per semester and/or \$750 per summer term).

Semesters of eligibility will be determined by the student's degree plan and the student's status as either a full-time or part-time Carr Scholarship recipient and will be limited to the number of semesters normally required for completion of the first master's degree.

Applicants pursuing graduate study under this program must normally have:

- A 3.00 or better GPA on all undergraduate work attempted from an accredited college or university AND
- A combined verbal/quantitative/analytical score of at least 1350 on the Graduate Record Exam (GRE) or a total of at least 450 on the Graduate Management Admission Test (GMAT) AND
- A score of at least 3500 from the formula: $600 \times \text{GPA} + \text{all three portions of the GRE}$ or
A score of at least 1200 from the formula: $200 \times \text{GPA} + \text{GMAT total}$ AND
- A 3.50 or better GPA on all graduate work attempted AND
- Financial need.

Carr Academic Scholarships are awarded on a competitive basis, with priority given to individuals of high academic ability with financial need. Carr Academic Scholarships are awarded without regard to race, color, religion, age, sex, national origin, or disability.

Carr Academic Scholarships awarded to out-of-state and foreign students will normally qualify such students to pay the tuition and fees required of Texas residents. (p. 84)

The priority deadlines for new applications and all supporting materials are: February 1 for the summer session and academic year, November 1 for the spring semester only. To the extent that funds are available, applications received after the priority deadline dates will be considered until April 1 for the summer session and June 1 for the academic year.

Scholarship application materials and information regarding Carr Academic Scholarships may be obtained by contacting or writing: Carr Academic Scholarship Program, Angelo State University, P.O. Box 11015, ASU Station, San Angelo, TX 76909 (telephone: 915/942-2246; FAX 915/942-2082; e-mail: carr@angelo.edu; website: www.angelo.edu).

Other Scholarships

In addition to the Robert G. Carr and Nona K. Carr Academic Scholarships, the University has available both tuition scholarships and tuition and fee scholarships for which graduate students are eligible. They are made available on the basis of academic ability and financial need and are awarded by the University Financial Aid Committee. Only graduate students who plan to carry at least nine semester hours are eligible. Scholarships are awarded for one academic year with the provision that the recipient meet the academic standards established for such scholarships. In order to have the scholarship renewed for a second academic year, the student must reapply.

Scholarships in varying amounts are awarded for academic excellence. The student is expected to maintain a high quality academic record but has no other commitments to the University as a result of receiving one of these scholarships.

Inquiries concerning scholarships and requests for scholarship application forms should be directed to the Dean of the Graduate School or the Office of Financial Aid.

Texas Opportunity Graduate Fellowship

The Texas Opportunity Graduate Fellowship Program (TOPFP) was developed from a special line item issued by the Texas Legislature in order to grow Texas' own future faculty in higher education. Each recipient will receive up to \$10,000 for one year or until graduation, whichever comes first. The recipient must be enrolled full-time at Angelo State University as a master's degree-seeking candidate.

Applicants must have an undergraduate GPA of 3.00 or above and must consult with the Graduate Dean before applying. Applicants must be born in the state of Texas. Among qualities to be acknowledged in the selection process are applicant's employment history, socioeconomic history, financial status (need), family background (level of educational attainment), personal talents, leadership capabilities, potential for success, and public service.

After graduating with a master's degree, the recipient must either enter a Ph.D. program, complete the degree, and return to Texas as a teacher in a Texas institution of higher learning for three years or immediately seek employment in a Texas institution of higher learning (junior college or four-year college) for three years.

For information and application materials for the TOPFP, contact: Graduate Dean, P.O. Box 11025, ASU Station, Angelo State University, San Angelo, TX 76909 (telephone: 915/942-2169); FAX 915/942-2194; e-mail: graduate.school@angelo.edu.

Teaching Assistantships and Graduate Assistantships

Angelo State University offers two types of appointments for graduate students: (1) contract appointments for an academic year (or semester) for Teaching Assistants who have responsibility for lecture classes, individual instruction, or laboratory sections, and (2) staff appointments without fixed term as Graduate Assistants who have responsibility for a wide range of duties designed to support the program's instructional program. All graduate students who are awarded a Teaching Assistantship or Graduate Assistantship must be regular graduate degree students and enrolled in the Graduate School during the term of their appointments.

The Teaching Assistant may have the responsibility for lecture classes, individual instruction, or laboratory sections. The Teaching Assistant normally will have responsibility equivalent to one-half of the normal work load assigned a person of professional rank.

The Graduate Assistant's responsibilities comprise a wide range of duties designed to support the program's instructional program, including grading, clerical functions, store-keeping, preparation of class or laboratory material, or other functions under a supervising faculty member. The Graduate Assistant's work load will be on an hourly basis, and the number of hours which the graduate assistant works each week must be approved by the Department Head. The average work load is generally 17.5 hours per week and shall not exceed 19 hours of work per week during any monthly pay period.

The Teaching Assistant or Graduate Assistant is normally required to enroll for six semester credit hours of course work per semester except when enrolled for the last semester prior to graduation or for the thesis course. A Teaching Assistant or Graduate Assistant may take nine semester hours per semester with the approval of the supervising faculty member or Department Head. A Teaching Assistant or Graduate Assistant must at all times maintain at least a 3.00 grade point average in all graduate work to remain eligible for continued employment.

Inquiries regarding Teaching Assistantships and Graduate Assistantships, including questions concerning application procedures, eligibility, or assignments should be directed to the office of the Dean of the Graduate School, Room 164 of the Lloyd D. and Johnell S. Vincent Nursing-Physical Science Building, telephone number (915) 942-2169.

Research Assistantships. Research assistantships are available for some University research projects. The duties of each research assistant shall not exceed 19 hours of work per week, will depend specifically upon the research project to which the graduate student is assigned, and will be determined by the faculty member directing the project.

Inquiries concerning assistantships and requests for applications for assistantship positions should be directed to the Dean of the Graduate School.

GRADUATE SCHOOL GENERAL REQUIREMENTS

STUDENT RESPONSIBILITY

NOTICE: The regulations contained in this *Bulletin* are based upon present conditions and are subject to change without notice. The University reserves the right to modify any statement in accordance with unforeseen conditions.

The student is held responsible for knowing degree requirements and enrolling for appropriate courses. The student is likewise held responsible for knowing the University deadlines and regulations in regard to the standard of work required for continuance in the Graduate School. If additional information is needed, the Office of the Dean of the Graduate School should be consulted.

For a complete list of requirements for a particular degree, the student should combine the General Degree Requirements and the special requirements listed by departments under Departmental Information.

ADMISSION TO THE GRADUATE SCHOOL

General Requirements

REGULAR ADMISSION

To be considered for regular admission to any master's degree program in the Graduate School, an applicant must:

1. Hold a four-year baccalaureate degree (except for Physical Therapy) or, in the case of applicants who have done their undergraduate study abroad, its substantial equivalent from an accredited college or university of recognized standing. Applicants must furnish one official copy of transcripts mailed directly to the Graduate Office from all colleges and universities attended. To be considered official, the transcripts must be mailed from the university registrar's office directly to the ASU Graduate School. Transcripts that are hand carried or mailed by the student will not be accepted;
2. Have completed a minimum of 24 semester credit hours (sch) of undergraduate course work in the major field of study, including 12 semester credit hours of advanced course work unless otherwise specified in the University *Bulletin* for the designated major field of study;
3. Show promise of ability to pursue advanced study and research, as evidenced by
 - a. An undergraduate grade-point average (GPA) of 2.50 or better (4-point scale) in the total undergraduate record, including all grades on repeated courses; or
 - b. A GPA of 3.00 or better in the last 60 semester hours taken at the baccalaureate level, including all grades on repeated courses; or
 - c. A GPA of 3.00 or better for six or more graduate-level semester credit hours taken in an approved graduate degree program in a discipline relevant to the graduate program for which admission is being sought;
4. Present a satisfactory score* on the Graduate Management Admission Test (GMAT) if the applicant desires to be admitted to the program leading to the Master of Business Administration (MBA) degree or satisfactory scores on the Graduate Record Examination (GRE) if the applicant desires to be admitted to any other program. Nursing applicants may submit Miller Analogy Test (MAT) scores in lieu of GRE scores. To be considered official, GRE/GMAT/MAT scores must be mailed directly from the Educational Testing Service or the MAT Testing Service to the ASU Graduate School.
5. Have on file a completed Residency Questionnaire.
6. Receive approval from the Head of the Department in which the degree program is housed.
7. Have paid the \$25 application fee (\$50 for international students).

* A satisfactory score is determined in context of the student's overall file; some departments use a formula to determine a satisfactory score. Please refer to specific special admission requirements listed by departments under Departmental Information.

PROVISIONAL ADMISSION

Applicants who fall slightly short of the graduate school and departmental admission requirements may petition for provisional admission. The petition must be accompanied by additional evidence of the applicant's ability and motivation for serious study and research. These data may include evidence of life experiences that establish a likelihood that the applicant will successfully complete a graduate degree program. No applicant who has a cumulative undergraduate grade point average below 2.00 (computed using all undergraduate grades, including multiple grades for courses taken more than once) will be granted provisional admission. Petitions for provisional admission will be considered on an individual basis by the graduate faculty in the applicant's major department and by the Dean of the Graduate School. A probationary program of specific courses may be specified with the provisional admission.

Students who have not submitted GRE/GMAT/MAT scores but who have an undergraduate GPA of 3.00 or better (4-point scale) in the total undergraduate record, including all grades on repeated courses, may be granted provisional admission, with the approval of the graduate faculty in the applicant's major department and the Graduate Dean. These applicants must provide satisfactory GRE/GMAT/MAT scores *before the end of* their first semester of enrollment*. Provisional admission does not guarantee regular admission. When the test scores are received, the student's application file will be reviewed by the applicant's major department for an admission decision recommendation. Students who do not satisfy the grade point criteria listed above and have not submitted GRE/GMAT/MAT scores will not be considered for admission until the appropriate test scores are received by the Graduate Office.

Applicants who are given provisional admission will be on academic probation, with the requirement that they maintain at least a 3.00 cumulative grade point average in all graduate-level work until they have completed at least nine semester hours of graduate-level work in a degree program at Angelo State University. Failure to maintain the requisite 3.00 may result in dismissal from the graduate program in which the student has been studying.

Offer of Admission: Only written notice from the Dean of the Graduate School constitutes approval of admission.

UNDERGRADUATES RECEIVING GRADUATE CREDIT

A senior student who has an overall 3.00 or better grade point average and who has completed at least 100 semester credit hours of academic work toward a baccalaureate degree may, with the approval of the Dean of the Graduate School, be granted senior-graduate status and register for a maximum of six semester credit hours of graduate-level work, provided that the total number of semester credit hours in a semester or summer session does not exceed 15. The total number of graduate semester credit hours taken as a senior-graduate may not exceed six, and no course used on the degree plan toward a baccalaureate degree may be used also on a graduate degree plan. Senior-graduate students are eligible for integrated baccalaureate-master's degree scheduling if their major departments offer such plans.

* Except Physical Therapy and Psychology. GRE scores must be submitted with the application to the Graduate School.

NON-DEGREE STATUS

Applicants, other than international ones, who hold baccalaureate degrees and who do not intend to pursue a master's degree at Angelo State University may apply for non-degree status. Entrance requirements for non-degree students are the same as for degree seeking students. Continued registration as a non-degree graduate student is contingent each semester upon satisfactory academic performance.

Graduate credit normally will not be allowed for use on a master's degree plan at Angelo State University unless the student has been granted regular or provisional admission to a degree program in the Graduate School and is registered therein when the course is taken. Students holding senior-graduate status are excepted from this provision. If a non-degree student subsequently is admitted to a degree program, a maximum of nine semester credit hours of graduate-level work taken prior to admission to the degree program may be used in the student's degree program but only with the written approval of the major department's graduate advisor, the head of the student's major department, and the Dean of the Graduate School.

TRANSIENT STATUS

Transient status may be granted to applicants who want to take a maximum of nine semester credit hours of work in the Graduate School and transfer it to another institution where they are pursuing a graduate degree program. A letter from the dean of the other institution's graduate school stating that the student has good standing there must be received by the Dean of the Graduate School at Angelo State University.

SENIOR CITIZEN STATUS

Individuals 65 years of age or older may audit courses offered by the institution without the payment of tuition or fees if space is available and the head of the department approves. The individual does not have to apply to the Graduate School. Information may be obtained through the Registrar's Office. No academic credit will be given for audited courses.

ENROLLMENT IN GRADUATE COURSES

A student will not receive graduate credit for any course taken unless he or she has previously been formally admitted to the Graduate School in one of the above-described categories.

PROCEDURES

All persons seeking admission to the Graduate School must complete and file with the Dean of the Graduate School an application form, which is available in the back of this *Bulletin*, or on the Angelo State University website <http://www.angelo.edu>, or in the office of the Graduate School. To insure that proper consideration can be given to evaluating the applicant's credentials, the applicant should request all transcripts and have entrance examination scores sent by the source to the Graduate School as early as possible. One official copy of transcripts of credits from all colleges and universities the applicant has attended must be received directly from the institution(s) involved. Applicants must pay the (non-refundable) \$25 application fee before consideration can be given to their application.

Admission to the Graduate School remains valid only for the semester or summer session for which the applicant has applied unless he or she engages in active graduate work at Angelo State University. Extensions of the one-semester limit may be granted if requested in writing by the applicant.

Angelo State University requires the same personal standards and applies the same criteria in considering applications for admission as it uses in the retention of students who are enrolled. To be consistent with this policy, the University reserves the right to refuse acceptance to prospective or former students who have criminal records including conviction of a felony, offenses involving moral turpitude, or other offenses of serious nature. The personal standards of conduct expected of students who enroll at Angelo State University are stated in the Student Life Regulations and Policies contained in the *Student Handbook*.



SPECIAL ADMISSION REQUIREMENTS AND PROCEDURES FOR INTERNATIONAL STUDENTS

Angelo State University is authorized under federal law to enroll nonimmigrant alien students.

A student from a foreign country will be eligible for admission to Angelo State University and a Form I-20, Certificate for Eligibility, will be issued when all admission requirements have been met and the following items are on file in the Office of the Dean of the Graduate School:

1. Satisfactory scores on the Graduate Record Examination or Graduate Management Admission Test;
2. Application for Admission* with mandatory \$50 application fee (international money order payable in \$US);
3. Official transcripts of previous academic records;
4. A score of 550 (with a minimum of 55 on each of the three sections) on the paper-based Test of English as a Foreign Language (TOEFL) or a score of 213 (with a minimum of 17 on each of the three sections) on the computer-based TOEFL or equivalent**;
5. Supplemental Information Form for foreign applicants;
6. Statement from parent, guardian, or other sponsor guaranteeing the applicant's financial support while in the United States;
7. Housing Application (including US \$100 deposit) and approval;
8. A deposit of US \$3,000 for the first semester of attendance (in addition to the US \$100 housing deposit and the US \$50 application fee). The US \$3,000 will be applied to the student's registration and room and board costs, and any balance remaining will be refunded as soon as those costs are covered. The \$3,000 deposit is required for the first semester of attendance only. An applicant who does not register will be eligible for a full refund. If a student registers and withdraws from the University, then the normal refund policy for all University students will apply. A deposit will not be required of an applicant receiving a scholarship from a foreign government, but the student must have a letter on file from that government stating that the scholarship will be paid at the time of registration.

An international applicant must have all of these items on file in the Office of the Dean of the Graduate School no later than June 10 in order to register for the fall semester, November 1 to register for the spring semester, and March 15 to register for the summer session.

* An application form is provided in the back of this *Bulletin*. Additional copies may be obtained by writing to the Office of the Dean of the Graduate School.

** An international applicant may be required to take a locally administered examination of English skills and to enroll in an intensive course in English if, in the judgment of the faculty and the Dean of the Graduate School, he or she is deficient in skills for speaking, understanding, and/or writing in English.

INSURANCE REQUIREMENTS FOR INTERNATIONAL STUDENTS

All international students are required to purchase each semester at the time of registration the Group Hospitalization, Medical Evacuation, and Repatriation Insurance plan provided through the University. The approximate cost of such insurance will be U.S. \$380 for the academic year. International students who fail to purchase this insurance will not be permitted to register at Angelo State University. Further information regarding insurance coverage may be obtained from the University's International Student Advisor.

THE GRADUATE DEGREE PLAN

All graduate students working toward masters' degrees must complete degree plans prior to their second registration.

Degree plan forms are available in the appropriate departmental offices. For any degree plan, the student must confer with and receive approval from the program advisor of the major department and the Dean of the Graduate School. Senior-graduate students developing an integrated plan for majoring in one department for the bachelor's degree and another for the master's must receive approval from the heads of both departments and the Dean of the Graduate School.

After a student has had the degree plan approved, any changes must be approved by the relevant departmental graduate program and the Dean of the Graduate School. Such approvals must be obtained before the student enrolls in any course for which a modification is sought.

ACADEMIC STATUS

Good Standing

A graduate student with regular status is academically in good standing if his or her grade point average for all graduate work completed at Angelo State University is at least 3.00.

Probation

When a regular status graduate student's grade point average drops below a 3.00, the student is placed on academic probation and if it drops below a 2.00, the student may be dismissed from the Graduate School. Also, a graduate student granted Provisional Admission is considered to be on academic probation. A thesis student who receives an NP grade will be placed on probation.

Dismissal

A graduate student may be dismissed from Graduate School if his or her grade point average is less than 3.00 at the end of any semester during which the student is on academic probation or if his or her grade point average drops below a 2.00. A student whose performance is unsatisfactory on both the first and second administrations of his or her Comprehensive Examination will be dismissed from the Graduate School. A student who receives a second NP grade in thesis will be dismissed from the Graduate School. A student in the Master of Physical Therapy program will be dismissed if so recommended by the Physical Therapy Academic Committee.

ACADEMIC HONESTY

The University expects all students to engage in all academic pursuits in a manner that is beyond reproach. Students will be expected to maintain complete honesty and in-

tegrity in their experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work is subject to disciplinary action.

Procedures for discipline due to academic dishonesty have been adopted by the Board of Regents and are published under the Section on Student Services and Activities in the University's *Student Handbook*.

MAXIMUM COURSE LOADS

Graduate students, except those in the Master of Physical Therapy program, may enroll for a maximum of 12 semester credit hours of graduate-level work in any long semester. Graduate students who are not on probation and who have at least a 3.5 grade point average on all graduate work they have attempted at Angelo State University may, with the written permission of the Dean of the Graduate School, register for a maximum of 15 semester credit hours of graduate-level work in the semester in which they are graduating.

Graduate students may enroll for up to seven semester credit hours of graduate work each summer term. The total load for the entire summer session shall not exceed 12 semester credit hours of graduate work except that 15 semester credit hours may, with the prior written approval of the Dean of the Graduate School, be allowed for the student who is graduating.

A graduate, teaching, or research assistant who works one-half time or less for the University may, with the approval of the supervising faculty member and department head, register for a maximum load of nine semester credit hours of graduate work per semester. An assistant who works one-quarter time or less may, with the approval of the supervising faculty member and department head, enroll for a maximum of 12 semester credit hours of graduate courses. Assistants who work half-time are required to enroll for a minimum of six semester credit hours per semester except in their last semester prior to graduation, and those who work one-quarter time are required to enroll for a minimum of nine semester credit hours per semester except in their last semester prior to graduation. Both summer sessions are considered one semester.

Penalty for Excessive Course Load. Any student who registers for more semester credit hours than are allowed by this policy during any semester or summer term shall be required to drop the excess course load at such time as the student course loads are audited by the University.

FULL-TIME STUDENT

A graduate student shall be considered on full-time status if:

1. the student is enrolled for a minimum of nine semester credit hours of graduate course work in a long semester or a minimum of six semester credit hours distributed in any way across the two summer terms; OR
2. the student has a Graduate, Research, or Teaching Assistantship and is enrolled for a minimum of six semester credit hours of graduate course work in a long semester or a minimum of three semester hours distributed in any way across the two summer terms; OR
3. the student is working full time on a thesis and is enrolled in either 6399 or 6699.

DROPPING A COURSE

Registration for a course makes the student responsible for attending that course until the course is completed or until the Registrar authorizes withdrawal from the course.

WITHDRAWAL FROM THE UNIVERSITY

An application for withdrawal from the University must be initiated in the Registrar's Office. Refer to the University calendar in this *Bulletin* to determine the last day on which a student may withdraw from the University.

A student is not officially withdrawn until the withdrawal form has been completed, the approval of each of the appropriate University offices has been received, all drop slips have been received, and the form has been returned for approval to the Registrar's Office. The student who fails to withdraw officially will receive a grade of *F* in all courses in progress.

RESIDENCE REQUIREMENT

At least 24 semester credit hours of graduate-level work on a master's degree plan that requires 30 semester credit hours must be done at Angelo State University. At least 27 semester credit hours of graduate-level work on a master's degree plan that requires more than 30 semester credit hours must be done at Angelo State University.

TRANSFER CREDIT

No more than nine semester credit hours of graduate course work completed in a regionally accredited institution may be transferred. A maximum of six semester credit hours of graduate course work may be transferred into a program that requires 30 semester hours, into any MEd program, into the MA in Curriculum and Instruction program, and into the MA in Communications program. Official transcripts showing the successful completion of the transferred courses must be on file in the Graduate Office. No graduate work for which the student received a grade lower than *B* will be accepted by transfer. All transferred course work must have been completed no more than six years prior to the awarding of the master's degree at Angelo State University. In approved joint degree programs with another university, a maximum of 15 semester credit hours may be transferred from the partner university as described in the Memorandum of Understanding with the partner school.

CREDIT FOR EXPERIENCE OR FOR CORRESPONDENCE AND EXTENSION COURSES

Angelo State University does not allow the transfer or use of graduate credit earned by experience or by correspondence or extension courses to apply toward a master's degree.

SYSTEM OF GRADING

A grade point average of 3.00 or better on all graduate work completed on this campus is required for graduation. No course with a grade below *C* may be applied toward a master's degree. Graduate students should note that a grade of *I* not removed within one year automatically becomes an *F*. No transfer work with a grade below *B* may be counted toward a master's degree.

For a complete explanation of the grading system, refer to page 142. But, note that no grade of *D* is given for a graduate course.

NUMBERING OF COURSES

Graduate courses are numbered 6000-6999 with the exception of Physical Therapy courses which are numbered 5000-7999. Senior and junior courses are designated 4000-4999 and 3000-3999, respectively. A senior or junior course for which graduate credit is allowed must be marked with an asterisk. **Note the limits on numbers of such asterisked courses that may be used toward a master's degree.** The student in a 4000 or 3000 level course for graduate credit must bring this fact to the professor's attention during the first week of his or her enrollment.*

For further explanation of the numbering system, refer to page 132.

TIME LIMIT

All work (including thesis if required or elected and any transfer credits) must be completed within a period of six years from the date of the earliest credit to be counted on the degree. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis. Time extensions are never granted for transfer course work.

If a time extension for one or more courses is desired, a written application must be presented to the Dean of the Graduate School. It must explain (1) why the degree was not completed in a timely manner, (2) a schedule for completing the program, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

Time extensions are not routine. Courses taken more than 10 years before graduation are almost never allowed to be used toward the master's degree. Additional courses are frequently assigned to the student who has not completed the degree within the six-year time limit.

ADVISORY COMMITTEE

Students who write a thesis or students whose programs require an oral comprehensive examination must have an Advisory Committee appointed. The Advisory Committee for thesis students should be constituted no later than the first semester in which the student registers for thesis credit. The Advisory Committee for students who do not write a thesis but have a required oral exam must be constituted no later than the semester in which the oral exam is to be administered.

The Advisory Committee will consist of at least four members; at least two members from the department in which the student is majoring; one member of the department, if there is one, in which the student is taking supporting electives; and one Graduate School representative appointed by the Dean of the Graduate School. A minimum of three members of the Advisory Committee must be members of the graduate faculty. Students in the Master of Arts or Science in Interdisciplinary Studies must have a minimum of one faculty member from each of the three disciplines comprising the degree; the Dean of the Graduate School serves as Chair of the committee. The Dean of the Graduate School will notify the student of the Advisory Committee composition.

* A student must receive approval from the Department and the Graduate Dean before enrolling in a junior or senior level course for graduate credit.

THE THESIS

Each student enrolling in a thesis course for the first time must purchase from the bookstore a copy of the "Thesis Manual" which sets forth the general requirements of style and form of the thesis. Students must register for the thesis under the number 6399 (where it exists) or 6699 in the department in which the research is being conducted.

However, in the semester in which the student graduates, either the student must register for thesis under the 6699, number or if registered under the 6399 number, must have registered in some previous semester for 6399.

Students must be enrolled in graduate course work during every regular semester from the beginning of the first thesis registration until graduation. If the student utilizes any University personnel or facilities in working on the thesis during the summer session(s), he or she must also be registered at those times.

A grade of *PR* (satisfactory progress) or *NP* (unsatisfactory progress) will be given during each term in which the student is enrolled in thesis but does not complete the project. A student who receives an *NP* grade will be placed on probation and will not be eligible for financial aid. A final grade of *B* or better is required on the completed thesis; a lower grade indicates that the thesis is not acceptable. Credit for the thesis course work is limited to six semester hours regardless of repeated registrations.

When a Candidate and the Chairman of the Advisory Committee have agreed upon a subject of investigation, the student will prepare a thesis proposal which will specify the topic, state the purpose of the investigation, describe the method of investigation, and relate the study to relevant research. After the Advisory Committee has approved the proposal, the Candidate must submit it for final approval to the Dean of the Graduate School. The thesis proposal must be submitted no later than one year after the first enrollment in thesis or in the 12th credit hour of enrollment in thesis, whichever occurs first, or a grade of *NP* will be assigned in the thesis course. Data collection should not be started until the thesis proposal has received final approval. Any subsequent changes in the research project must be approved in writing by the Advisory Committee and the Dean of the Graduate School.

The thesis in final form, successfully defended and signed by each member of the Advisory Committee, must be submitted for approval to the Dean of the Graduate School no later than three weeks before the end of the semester of degree completion.

COMPREHENSIVE EXAMINATION

Candidates for all degrees except the MBA and MPT must successfully pass a written and/or oral examination covering work within the candidate's program. The candidate's Advisory Committee will administer any oral examination. Any written examination or written portion of the examination will be administered by the major department which may request questions from any department(s) in which the candidate has taken supporting electives.

The policies and procedures for the comprehensive examination are available in the office of the department head of the student's major field of study. Students should review the requirements for the exam early in their degree program.

The major department may, at its discretion, decide before or after evaluating the student's answers on the written portion to administer a follow-up oral portion of the examination during the same semester as the written examination. In this case, the written and oral portions will both be administered by the major department and will be deemed to be one examination.

The type of examination (oral, written, or both except as explained above) must be predetermined and the candidate so notified. An oral examination will be open to members of the graduate faculty, but it will be conducted by the candidate's advisory committee. All course work for the degree except those courses in progress in the semester when the degree is to be awarded must normally be completed prior to the comprehensive examination. All courses with a grade of *I* must normally be completed before the comprehensive examination is scheduled.

The comprehensive examination must be scheduled no later than 4 weeks before the candidate's degree is to be conferred and passed no later than three weeks prior to that date. A student will not be permitted to take the comprehensive examination unless he or she is in good academic standing. A candidate who fails the comprehensive examination may, upon petition to the advisory committee in the case of an oral examination or to the departmental faculty in the case of a written examination, be allowed to take another examination no sooner than the next semester or summer session. (The two summer terms comprise one summer session.)

All of the above regulations apply to the second examination. Any student who fails the second comprehensive examination will be dismissed from that graduate program.

APPLICATION FOR GRADUATION

In the term in which the student expects to complete all degree requirements, the student should apply for graduation during the telephone or web registration process for that term. If the student is not enrolling for course work during the term he or she expects to graduate, the graduation application form can be obtained in the Graduate Office. Students anticipating graduation in a given term **MUST** apply for graduation prior to a published date (see *Bulletin* calendar) which is early in that semester. A graduation fee of \$20 is required. If the student is not able to complete degree requirements at the end of that period, the application and graduation fee must be resubmitted again in the term in which graduation is again anticipated. No degree will be conferred unless the Application for Graduation has been filed on time and the graduation fee paid.

GRADUATION EXERCISES

Angelo State University holds graduation exercises at the end of each semester and summer session. A candidate must be present for rehearsal and conferring of the degree unless the Vice President for Academic Affairs has approved his or her written application for permission to be graduated *in absentia*.

SECOND MASTER'S DEGREE

A student who holds one master's degree from this University may receive a second master's degree by fulfilling the following requirements:

1. The second degree must be different from the first degree and/or the second major field of study must be different from the first major field of study; and
2. All requirements for the second master's degree must be completed, with no more than nine graduate (6000 level) semester credit hours from the first master's degree allowed to apply toward a 30 semester hour second master's degree, or 12 graduate (6000 level) semester hours allowed to apply toward a second master's degree with more than 30 credits.

A student who holds a master's degree from another university and desires to receive a master's degree from this University must fulfill all degree requirements applicable to a student working toward a first master's degree at this University.

GENERAL DEGREE REQUIREMENTS

In partial fulfillment of the requirements for all master's degrees, the graduate student must complete the following general requirements:

- A. The student must complete a minimum of 30 to 48 semester credit hours of graduate work (107 semester credit hours for the Master of Physical Therapy degree) depending upon the degree being sought. In each degree program, the student must earn a 3.00, or better, grade point average overall and in the major field and in all course work taken at ASU. In programs requiring course work outside the major field, the student must earn a 3.00, or better, grade point average in each of these areas. Grades lower than *C* will not apply toward any degree. The student may apply toward the degree
 1. A maximum of six - eight semester credit hours or two courses of designated junior/senior-graduate level work;*
 2. A maximum of six semester credit hours of transfer work in a 30-hour program with no grade lower than a *B*, and a maximum of nine semester credit hours of transfer work in a program of more than 30 hours with no grade lower than a *B*;
 3. No courses taken by correspondence or extension;
 4. No more than nine semester credit hours taken while in non-degree status.
- B. Candidates for all degrees except the MBA or MPT must successfully complete a written and/or oral comprehensive examination administered by the Advisory Committee or the departmental Graduate Faculty.
- C. Angelo State University does not award graduate credit for non-academic experiences nor allow the use of experiential training toward a master's degree.

In addition to the general degree requirements, the graduate student must complete additional requirements for the designated degree program. Please refer to the specific special degree requirements listed under Departmental Information.

* Students are permitted a maximum of 12 semester credit hours or four courses of designated junior/senior-graduate (*3000 or *4000) level supporting electives if they are taken in chemistry.

GRADUATE SCHOOL DEPARTMENTAL INFORMATION



THE COLLEGE OF BUSINESS AND PROFESSIONAL STUDIES

Robert K. Heggland, Ph.D., Dean

Department of Accounting, Economics, and Finance

Master of Business Administration - Accounting

Department of Business Administration

Master of Business Administration - Management

Department of Kinesiology

Master of Science - Kinesiology



DEPARTMENT OF ACCOUNTING, ECONOMICS AND FINANCE

Professor, Head, and Graduate Advisor: Sunderman

Professors: Bankston, Buerger, Dane, Harlow

Associate Professors: Lewis and Maddox

Assistant Professor: Ranganathan

<http://www.angelo.edu/dept/aef/>

As an accounting professional, the bottom line among prospective employers and clients is your proven proficiency - *in technical knowledge, critical thinking ability and communication skills*.

The Angelo State University Department of Accounting, Economics and Finance offers a Master of Business Administration in Accounting, accredited by the Association of Collegiate Business Schools and Programs, that consists of 36 credit hours designed to heighten your broad-based business knowledge to meet employers' expectations while satisfying the new CPA licensing requirements.

Angelo State University provides two avenues for earning an MBA in Accounting. Students who have already received a bachelor's degree enroll in the regular MBA in Accounting program, while outstanding undergraduate students may enroll in the Integrated BBA/MBA program.

Admission Requirements for MBA in Accounting Program

In addition to the general requirements for admission to the Graduate School listed on page 379, the applicant must:

1. Have a 2.50 GPA in ACC 3303 and ACC 3304, with no grades lower than C, (courses may be repeated to satisfy this requirement) and
2. Satisfy the admission formula. The formula for admission is
$$[\text{GPA (including all repeated grades)} \times 200] + \text{GMAT score} = \text{at least } 1050$$

Admission Requirements for Integrated BBA/MBA in Accounting Program

For admission to senior-graduate status in the integrated program, an applicant must have:

1. Completed a minimum of 90 hours of undergraduate credit with an overall GPA of 3.00 or better, including all grades on repeated courses; and
2. Have a 2.50 GPA in ACC 3303 and ACC 3304, with no grades lower than C, (courses may be repeated to satisfy this requirement) and
3. Present a satisfactory score on the Graduate Management Aptitude Test. The formula for admission is
$$[\text{GPA (including all repeated grades)} \times 200] + \text{GMAT score} = \text{at least } 1050$$
4. GMAT results must be reported before the completion of any graduate courses.

Students must maintain a 3.0 GPA in undergraduate and graduate work after being admitted to the program.

Applicants are required to take the Graduate Management Admission Test (GMAT), which is now a computer-adaptive test administered at centers throughout the country

and the world. You may take the standardized test as often as once per calendar month. GMAT scores must be reported to ASU (code 6644) directly from the testing agency and are valid for five (5) years. To receive a free GMAT Bulletin of Information and Registration Form describing arrangements for taking the test, the nature of the exam, scoring procedures, and specific test dates, write or call:

Graduate Management Admission Test

Educational Testing Service

P.O.Box 6103

Princeton, NJ 08541-6103

Telephone: 609-771-7330

Toll-Free: 1-800-GMAT-NOW

Website: <http://www.mba.com/us>

Degree Requirements

Prerequisites

ACC 2301	Principles of Accounting I
ACC 2302	Principles of Accounting II
ACC 3303	Intermediate Accounting
ACC 3304	Intermediate Accounting II
ACC 3331	Cost Accounting
ACC 3361	Individual Income Tax
ACC 4311	Advanced Accounting
ACC 4312	Advanced Accounting II
B A 2331	Business Statistics
B A 3345	Business Law
ECO 2302	Microeconomics
FIN 2323	Business Computer Applications
MATH 1312 or 2331	Business Math II or Calculus I

Students may take the above courses as leveling courses simultaneously with graduate courses for which they have the appropriate prerequisites. ACC 6303, 6317, 6361, and 6362 cannot be taken until both intermediate accounting courses have been satisfactorily completed. The 36 semester credit hour MBA-Accounting program consists of the following courses:

ACC 6303	Applied Auditing	Spring
ACC 6313	Accounting Information Systems	Summer I
ACC 6317	Advanced Accounting Problems	Fall
ACC 6361	Advanced Tax Accounting	Fall
ACC 6362	Tax Research Methodology	Spring
B A 6301	Decision Analysis (statistics)	Fall
ECO 6311	Economic Analysis	Spring
FIN 6301	Financial Management	Spring
MGT 6311	Organizational Behavior	Fall & Spring
MGT 6312	Operations Management	Summer
MGT 6313	Corporate Strategies and Policies	Fall & Spring
MKT 6301	Marketing Management	Fall

Financial Aid. Merit scholarships are available to qualified students who demonstrate superior academic achievement and career potential. Both US and non-US citizens and residents are eligible for merit scholarships. Graduate students are eligible for Carr Academic Scholarships. Texas students in the integrated program with 120 hours or more are also eligible for Fifth Year Accounting Scholarships funded by the Texas Higher Education Coordinating Board. The application for deadline for Fifth Year Accounting Scholarships is June 30.

Senior Courses for Which Graduate Credit May be Received (in graduate degree programs other than MBA)

*Economics 4307 International Economics (3-0). Introduction to international trade and finance. Centered on present day currency arrangements with consideration of recent and proposed reforms of the international financial system. Includes the principles that govern world trade and investments with discussion of the factors that determine the direction of trade, and policies that inhibit the free flow of trade.

Prerequisites: Economics 2301 and 2302.

*Finance 4367 International Finance (3-0). An examination of the international monetary system from World War II to the present and the transition from fixed to floating exchange rates. Emphasis given to interest arbitrage, spot and forward exchange rates, foreign exchange exposure and risk, capital budgeting and import/export financing in the study of multinational finance.

Prerequisites: Economics 2301 and 2302.

Graduate Courses

Accounting 6301 Advanced Management Accounting (3-0). A comprehensive study of the preparation of internal accounting reports for decision making, planning and control; cost determination and evaluation; budgeting and quantitative techniques. May not be taken by accounting majors to satisfy requirements in accounting.

Prerequisite: Accounting 2302

Accounting 6303 Applied Auditing (3-0). Interrelation of auditing concepts and professional standards and procedures for auditing computerized information systems, legal concerns, ethical dilemmas, and other contemporary issues in auditing practice.

Prerequisites: Accounting 4303 and 4312.

Accounting 6313 Accounting Information Systems (3-0). An advanced casework oriented course in computer-based information system theory and implementation. Topic coverage includes systems analysis, relational database theory, decision support systems, telecommunications, and networking.

Prerequisites: Accounting 6301 or 3304.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved 4000-level courses may be taken for graduate credit in non-MBA master's degree programs.

Accounting 6317 Advanced Accounting Problems (3-0). Review and elaboration of accounting principles as developed by a series of advanced problems. Corporation accounting and income determination.

Prerequisite: Accounting 4311.

Accounting 6361 Advanced Tax Accounting (3-0). Tax regulations applicable to partnerships, corporations, estates, gifts, and trusts.

Prerequisite: Accounting 3361.

Accounting 6362 Tax Research Methodology (3-0). Advanced research in federal taxation. Includes historical and current developments, sources of tax law, research methodology, case studies and reports.

Prerequisite: Accounting 3361 and 4362 or 6361.

Accounting 6381 Special Topics (3-0). A study of selected topics in accounting. May be repeated once for credit when the topic varies.

Accounting 6391 Research. A specialized course which may be directed reading or research for superior students.

Economics 6311 Economic Analysis (3-0). The application of both micro- and macro-economic topics in the analysis of business problems.

Prerequisites: Economics 2300 or 2302 and Business Administration 6301.

Finance 6301 Financial Management (3-0). Corporate financial management decision-making techniques emphasized in areas of planning the financial structure, management of assets, capital budgeting, obtaining capital, and management of income.

Prerequisites: Accounting 6301 or 3304 and Business Administration 6301.

DEPARTMENT OF BUSINESS ADMINISTRATION

Professor and Head: Badgett
Professors: Alexander, Chawla, Diminnie,
Goode, Heggland, Yokum
Associate Professors: Rivera, Tomlin, Wilkins
Assistant Professor: Fisher
Graduate Advisor: Rivera

Master of Business Administration

The Master of Business Administration (MBA) offered by the Department of Business Administration is a broad degree program that has as its objective the development and enhancement of knowledge valuable to executives, administrators, and managers in both the profit and nonprofit sectors of the economy.

Graduates of the MBA program from the Department of Business Administration do not have a major in any specific discipline in business. Students are expected to complete a series of courses at the graduate level in accounting, marketing, management, finance, economics, decision analysis, legal and social environment, research methods, operations management and information systems. International business and business ethics are integrated throughout the MBA curriculum.

The educational emphasis of the MBA program is on organizational decision making. The program is appropriate for those pursuing or seeking a career at the executive level in both public and private organizations.

Admissions Requirements. The MBA program in the Department of Business Administration is open to all applicants who hold the baccalaureate degree regardless of the field of undergraduate study. The program seeks students with diverse undergraduate backgrounds including the sciences, liberal arts, humanities, business, engineering, and education.

Students admitted to the MBA program in the Department of Business Administration must complete the following undergraduate courses or their equivalents if these courses have not previously been completed.

Accounting 2301 and 2302
Business Administration 2331 (statistics)
Economics 2300 or 2302
Finance 2323 (computer applications)
Mathematics 1312
Management 3301
Marketing 3321

Graduate students must complete the accounting courses listed above before taking the graduate-level accounting courses, the undergraduate statistics course before the graduate-level decision analysis course, and so on. Concurrent enrollment in both graduate-level and undergraduate-level courses is permitted, as long as prerequisites are satisfied.

The MBA program in the Department of Business Administration consists of 39 semester credit hours of graduate courses normally taken in the order listed below. It is possible to pursue the degree on a full-time basis; however, almost all of the courses are offered during the evening hours only. Graduate courses must be at the 6000 level; undergraduate courses may not be used to satisfy the requirements for the MBA program courses listed below.

Course sequencing:

YEAR 1

FALL

Decision Analysis
(BA 6301)

Organizational Behavior
(MGT 6311)

SPRING

Economic Analysis
(ECO 6311)

Research Methods
(BA 6303)

SUMMER

Operations Management
(MGT 6312)

Elective*

YEAR 2

FALL

Marketing Management
(MKT 6301)

Managerial Accounting
(ACC 6301)

SPRING

Financial Management
(FIN 6301)

Legal & Social
Environment of Business
(B A 6302)

SUMMER

Accounting Information
Systems (ACC 6313)

Elective*

YEAR 3

FALL

Corporate Strategies and
Policies (MGT 6313)

Course load:

Part-time students are expected to enroll in six hours (two courses) per semester. In addition, part-time students are expected to enroll in one course per summer term. Written permission from the MBA advisor is required in order to exceed these totals. Because of the intensity and level of the course work required, such permission will rarely be granted.

Full-time students will follow these same guidelines except that the expected load for each semester (except the final semester) is four courses or 12 semester hours.

* Electives are to be taken from the Department of Business Administration; Department of Accounting, Economics and Finance; or the Department of Government. Electives taken outside these three departments must be given prior approval in writing by the graduate advisor.

Course waivers:

Students may waive any required course in the MBA curriculum except Management 6313. A graduate-level elective must be substituted for each course waived. Criteria for course waiver(s) include:

1. having already completed at least nine semester hours of course work in the subject area of the requested waiver, i.e., economics or accounting;
2. a grade point average of at least 3.00 in the courses used for the waiver request;
3. at least one of the courses used as the basis of the waiver request must be at the junior level or higher; and
4. courses used as the basis for the waiver request must have been completed no more than ten years before enrollment in the MBA program.

An elective must be substituted for each course waiver in order to complete the 39 semester-hour minimum requirement.

All waivers must be obtained in writing from the graduate advisor during the first semester of enrollment.

Graduate Courses

Business Administration 6301 Decision Analysis (3-0). A study of statistical methodology and the application of statistics in business and economics. Includes descriptive and inferential techniques for decision analysis. Personal computers are used in analyzing decision data and presenting results.

Business Administration 6302 Legal and Social Environment of Business (3-0). Analysis of the role of business in contemporary society with emphasis on the legal, social, political, and regulatory factors affecting business.

Business Administration 6303 Research Methods (3-0). Collection, analysis, and interpretation of both primary and secondary data for business decisions.

Prerequisites: Economics 2301 and 2302.

Business Administration 6321 International Business (3-0). International business environmental frameworks; trade and investment theories and institutions; multinational corporation policy, strategy, functional management, operations, and concerns.

Management 6311 Organizational Behavior (3-0). A study of people in an organizational setting. Attention is given to behavioral theory, empirically derived knowledge, and application of this theory and knowledge. Students will participate in solving organizational problems through cases, experiential exercises, and/or simulations.

Management 6312 Operations Management (3-0). A case-oriented examination of operations management. Topics include inventory management, MRP, production planning and scheduling, plant layout, process analysis, material flows, quality, project management, and service operations. Consideration of Japanese manufacturing techniques.

Prerequisites: Accounting 6301 and Business Administration 6301.

Management 6313 Corporate Strategies and Policies (3-0). An advanced case course dealing with the wide range of management problems involving policy and strategy decisions faced by executives in both domestic and international markets. A capstone course that requires integration of all materials covered in the MBA curriculum in the policy formulation process.

Prerequisite: 24 graduate hours or final long semester of enrollment in the MBA program.

Management 6322 Government and American Business (3-0). An examination of the interplay between American national, state, and local governments and American business. Topics of consideration include the historical changes in the relationship of government and business, the role of private enterprise in the federal grant-in-aid process, and the effect of government spending on business. Special focus will be given to government regulation of business. (Credit may not be earned for this course and Government 6322.)

Management 6381 Special Topics (3-0). A course dealing with selected topics in management. (May be repeated once for credit when topic varies.)

Management 6391 Research. A specialized course which may be directed reading or research for superior students. (May be repeated for credit when topic varies.)

Marketing 6301 Marketing Management (3-0). An analysis of the marketing management process for all types of organizations. Included are the topics of (1) planning marketing activities, (2) directing the implementation of the plans, and (3) controlling marketing plans.



DEPARTMENT OF KINESIOLOGY

Major Program: Kinesiology

Professor and Head: Croy

Professor: Yarbrough

Assistant Professors: Guerrero, Keith, Price

Graduate Advisor: Yarbrough

Graduate Study in Kinesiology

The Master of Science degree with a major in Kinesiology is offered for students who have attained certification to teach at the secondary level or at all levels. It is also offered for those students without teacher certification who wish to pursue training in the areas of health and wellness.

Admission Requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, the applicant must have completed a minimum of 24 undergraduate semester credit hours in kinesiology, of which at least 12 are advanced undergraduate hours. For Regular status, the student must have a score of at least 1500 using the formula: $[200 \text{ times}(\text{grade point average of the undergraduate degree program})] + \text{the verbal Graduate Record Exam (GRE) score} + \text{the analytical Graduate Record Exam (GRE) score}$. It is strongly recommended that the student complete BIO 2423 Human Anatomy and BIO 2424 Human Physiology, or their equivalents, prior to enrollment in KIN 6301 and 6305.

Facilities. The Physical Education Building and Athletic Field House comprise a superb physical education complex to support the graduate program in Kinesiology.

The Physical Education Building contains four classrooms, a 25-meter swimming pool, handball courts, and a gymnasium with a uni-turf, multi-purpose floor. One classroom is equipped for physiological research; the swimming pool and multi-purpose floor serve for studies in swimming, badminton, archery, volleyball, and basketball. Among the scientific equipment available to facilitate student and faculty research projects are a mini-graph electrocardiograph, Monark exercise cycle, biofeedback equipment, anticipation timer, visual choice reaction time apparatus, video camera, and stop-action films of selected neuromuscular skills.

The Department has access to the University's computer services for the processing of physiological, sociological, and psychological research data. Research directions within the department include studies in exercise physiology, sport psychology, motor learning, and biomechanical analysis.

Departmental Requirements. The student's program must be initiated under the direction of the departmental graduate student advisor and approved by the Head of the Department of Kinesiology and the Dean of the Graduate School.

a. Thesis Option:

The student must complete a minimum of 30 semester credit hours of graduate work, including

- (1) 18-24 semester credit hours in kinesiology coursework; including 3 semester hours in research and 3 semester hours in exercise physiology.
- (2) 0-6 semester credit hours of graduate work in supporting electives;*
- (3) A thesis in kinesiology (6 additional semester credit hours will be awarded for successful completion of the thesis.)

b. Non-Thesis Option:

The student must complete a minimum of 36 semester credit hours of graduate work, including

- (1) 24-30 semester credit hours in kinesiology coursework; including 3 semester hours in research, 3 semester hours in tests and measurements, and 3 semester hours in exercise physiology.
- (2) 6-12 semester credit hours in supporting electives.*

Upon completion of all course work except the thesis, the student will take a comprehensive examination administered by the graduate faculty. Degree candidates will be expected to demonstrate a fundamental knowledge of all course work taken in kinesiology and the supporting concentration. The comprehensive exam is given during the long semesters (fall, spring) only.

Graduate Courses

6301 The Physiology of Exercise (3-0). A comprehensive study of the effect and influence of exercise upon the physiological processes, and the relation of certain after-factors with activity.

6303 The Nature and Basis of Motor Learning (3-0). This course is designed to provide an understanding of psychological principles involved in motor performance in sports and games. Applications of these principles will be stressed.

6304 Sport Psychology (3-0). A thorough study of the ethics and practice of applied sport psychology. In-depth analysis of athlete behavior including the study of motivation, attention, anxiety, personality, team cohesiveness and leadership. Also, the following topics are presented: role of the sport psychologist, ethical standards for sport psychologists, psychological testing, performance enhancement, program development, and psychological training techniques.

6305 Biomechanics (3-0). Mechanical analysis of motor activity. Human movement with emphasis on sports skills by application of principles of mechanics and kinesiology.

* Supporting electives: Supporting electives consist of a designated number of graduate level semester credit hours in one or more disciplines. The supporting electives must be appropriate for the individual student's degree program and career goals, and the student must receive written approval from the departmental graduate advisor prior to course enrollment. Transfer courses may qualify as supporting electives if they are appropriate for the student's degree program and career goals, and if approval is given by the departmental graduate advisor.

6310 Seminar in Sport Sociology (3-0). The study of the sociological implications of sport. The student will, through the inquiry method of teaching, be directed in the study of a variety of topics related to the sociology of sport. Topics may include politics in sport, racism in sport, women in sport, sport and religion, children and sport, professional sport, sport and education, violence in sport, ethical dilemmas in sport, and performance-enhancing drugs in sport.

6321 Adaptive Physical Education (3-0). A study of developmental physical education for the mentally, emotionally, physically, and socially handicapped child with special emphasis placed on these children in the public school.

6331 Legal Aspects of Sport and Physical Activity (3-0). A course that focuses on the legal elements and responsibilities found in sports and the entire realm of physical activities. The legal environment, legal duties and responsibilities, risk management, and participant rights will be addressed. Emphasis will be placed on developing proficiency in recognizing and solving legal problems and issues in sports and physical activities.

6351 Tests and Measurements (3-0). A course which considers the historical background of measurement in physical education: selection, evaluation, structure, use, and administration of contemporary testing devices; and interpretation and application of results.

6371 Internship. Supervised field work experience in health, wellness, and exercise science.

6381 Special Topics (3-0). A study of selected topics in physical education. May be repeated once for credit when topic varies.

6391 Research Methods and Techniques (3-0). A course to familiarize the student with the types of research and related tools and techniques in physical education.

6393 Research. Directed reading or individual research. (May be repeated once for credit. Prior approval of instructor and department head required.)

6699 Thesis.

THE COLLEGE OF LIBERAL AND FINE ARTS

E. James Holland, Ph.D., Dean

Department of Communications, Drama, and Journalism

Master of Arts in Communication

Department of English

Master of Arts in English

Department of Government

Master of Arts in International Studies
Master of Public Administration

Department of History

Master of Arts in History

Department of Modern Languages

English as a Second Language Endorsement

Department of Psychology and Sociology

Master of Science in Counseling Psychology
Master of Science in General Psychology
Master of Science in Industrial/Organizational Psychology

DEPARTMENT OF COMMUNICATIONS, DRAMA, AND JOURNALISM

Major Program: Communications Systems Management

Professor and Head: Eli

Associate Professor: Smith

Assistant Professors: Boone, Johnson, Nicholson, Voss

Graduate Advisor: Smith

Graduate Study in Communication

The Master of Arts in Communication degree with a major in Communications Systems Management prepares students for information services positions that demand information technology training, planning proficiency, and management capabilities. The department also offers courses which may be used as electives in other graduate programs.

Admission Requirements

In addition to the general requirements for admission to the Graduate School listed on page 378, an applicant must:

1. Normally have completed a minimum of 24 semester credit hours of undergraduate course work in either communication or journalism, including 12 semester credit hours of advanced course work. Exceptions must be approved by the Department Head and Graduate Advisor;
2. Have successfully completed Comm/Jour 2344 Graphics, Layout and Design and Comm/Jour 2345 Desktop Publishing or their equivalents. In some cases, a student may begin the graduate program and complete the undergraduate leveling work concurrently; and
3. For regular admission, have a score of at least 1500 using the formula: $200 \times \text{GPA}$ (grade point average of the undergraduate degree program) + the verbal Graduate Record Exam (GRE) score + the analytical Graduate Record Exam (GRE) score.

General Degree Requirements

The total number of hours required for the program leading to the Master of Arts in Communication is 30 for the thesis option and 36 for the non-thesis option. Students in the Master of Arts in Communication program may only take 6000-level course work for their degree plan. No 4000-level classes will count toward the degree.

All degree candidates are required to pass a comprehensive examination. (Thesis option students will complete the comprehensive examination in addition to their oral thesis defense.) The comprehensive examination is administered in the semester in which students are completing 24 hours of graduate courses in the Master of Arts program.

All degree candidates must take a prescribed core requirement of 15 graduate hours in Communication consisting of:

- COMM 6301 Communication Technology
- COMM 6302 Research Methods
- COMM 6303 Communication Theory
- COMM 6304 Communication Literature
- COMM 6306 Communications Management and Administration

Thesis Option:

The student must complete a minimum of 30 semester credit hours of graduate work, including:

1. The 15 hour communication core,
2. Three additional graduate hours in communication,
3. Six graduate elective hours taken from communication or the prescribed electives list,
4. COMM 6699 (Thesis).

Non-Thesis Option:

The student must complete a minimum of 36 semester credit hours of graduate work, including:

1. The 15 hour communication core,
2. Fifteen additional graduate hours in communication,
3. Six graduate elective hours taken from communication or the prescribed electives list.

Electives:

Students may take up to six prescribed elective graduate hours (6000 level) in business, education, and /or psychology. Those include:

Business Electives

- B A 6302 Legal & Social Environment of Business
- B A 6303 Research Methods
- MGT 6311 Organizational Behavior
- MGT 6312 Operations Management

Education Electives

- ED 6322 Microcomputers in Education
- ED 6333 Computer Networks for Instructional Environments
- ED 6334 Designing Instructional Resources
- ED 6336 Instructional Design

Psychology Electives

- PSY 6303 Social Psychology
- PSY 6341 Advanced Learning

Note: Some electives may have prerequisite course requirements.

Transfer Credits:

Transfer students will be admitted to the program, but no more than 6 hours of 6000-level graduate credit work toward the graduate degree may be transferred from another institution. All transferred work must be equivalent to either the communication graduate classes or approved elective classes for this program. Students may apply for transfer credit through the program advisor and Graduate Dean.

Senior Courses for Which Graduate Credit May be Received in Programs Other Than the MA in Communications

*4311 Interpersonal Communication (3-0). Study of communication in dyadic and small group settings with particular emphasis placed on self-concept theory, interpersonal perception, and communication barriers.

*4335 Advertising/Public Relations Campaigns and Cases (3-0). Case-method and campaign planning as they pertain to advertising and public relations administration. Emphasis on development of creative strategy and media selection.

*4351 Communication Theory (3-0). A critical examination of theories and research in communication. The course will focus on rhetorical, interpersonal, group, mass, and organizational communication theories.

*4355 Mass Media Effects and Ethics (3-0). An in-depth study of the impacts of mass media on a changing America including a study of the effects of mass media on government, demographic groups, and the military. The study of moral reasoning and ethical decision making as they relate to the mass media.

*4361 Speech Methods and Activities in the Public Schools (3-0). Concentration on the varied extracurricular speech activities of the school: debate, extemporaneous speech, declamation, interpretation, readers' theatre, one act play, assembly programs, public programs, and speech contests.

*4371 Organizational Communication (3-0). The theoretical investigation and practical application of organizational communication principles. Studies will focus on information processing and problem solving within organizations.

Graduate Courses

6301 Emerging Communication Technologies (3-0). A course to instruct students in the use of the latest communication technology in a pedagogical environment.

6302 Research Methods (3-0). A course to familiarize the student with the types of research and related statistical tools for the communications system manager.

6303 Communication Theory (3-0). An overview of interpersonal, organizational, and mass communication theories impacting the design and maintenance of communication systems.

6304 Communication Literature (3-0). A review of the literature regarding existing and evolving technologies of communication systems.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved 4000-level courses may be taken for graduate credit and used for a minor or as supporting electives for other master's degrees. 4000-level courses may not be used to meet the requirements of the Master of Arts in Communication.

6305 Managing Diverse Populations (3-0). Cultural, organizational, and interpersonal issues affecting the success of system design and management.

6306 Communications Management and Administration (3-0). Issues and concerns of the communications manager including: communication law, technological innovations, instructional/educational paradigms, management theory, and the methods of managing technology as a strategic resource.

6307 Communication and Information Diffusion (3-0). A survey of the methods of information diffusion with emphasis on the philosophical, legal, psychological, and ethical issues of message diffusion in the workplace and in society.

6308 Communications Operations Management (3-0). The concepts, theories, and decision making techniques involved in communications systems project management, scheduling, and quality control. How technology can be used to generate a sustainable competitive advantage.

6309 Telecommunications and Computer Networking (3-0). The role of telecommunications and computer networks in communication systems. Emphasis on systems analysis and designs of communication networks including voice, data, and video.

6371 Internship. Students gain on-the-job experience working in a business or industrial setting.

6381 Special Topics (Current Issues) (3-0). Selected readings in communications systems management and emerging communications technologies. (May be repeated once for credit when topic varies.)

6391 Research (3-0). Directed readings or individual research projects. (May be repeated once.)

6699 Thesis.

DEPARTMENT OF ENGLISH

Major Program: English

Professor and Head: Moore

Professors: Allen, Dalrymple, Duarte, Holcomb, Reeves

Associate Professors: Ellery, Hartje

Assistant Professors: Adams, Harbin, Kornasky, Schonberg, Wegner

Graduate Advisor: Dalrymple

Graduate Study in English

The graduate program in English emphasizes competence in analysis of literature and development of skills in language use. The department offers graduate course work leading to a major for the degree of Master of Arts. A student certified to teach English on the secondary level may pursue a program leading to endorsement in teaching English as a Second Language. The department also offers courses which apply towards the Secondary Education option in the Master of Arts in Curriculum and Instruction. (See p. 458, under the School of Education.)

A program in English should be initiated under the direction of the departmental graduate advisor and approved by the Head of the Department of English and the Dean of the Graduate School.

Admission Requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, an applicant must have completed a minimum of 24 semester credit hours, including 12 advanced, of undergraduate course work in English. Ordinarily, a student who does not meet this requirement must take courses to meet it before being admitted to the program. In some cases, a student may begin the graduate program and complete the undergraduate leveling work concurrently. For Regular admission, the student must have a score of at least 1500 using the formula: $[200 \times (\text{grade point average of the undergraduate degree program})] + \text{the verbal Graduate Record Exam (GRE) score} + \text{the analytical Graduate Record Exam (GRE) score}$.

Facilities. The graduate student majoring in English relies heavily on the University library for study and research. Good collections in all areas of literature, especially American and British literature, provide important source materials for research. Primary sources are complemented by significant journal holdings. Graduate faculty research interests range from studies in popular American culture to seventeenth-century British prose.

The Department operates a Language Learning Center that provides laboratory experience for graduate students in teaching writing and reading skills to undergraduate students. The Center is equipped with microcomputers and a wide variety of software to assist instructors, most of whom are working one-on-one with developmental students.

The Department of English is housed in the Academic Building.

Master of Arts Degree

The Master of Arts program is designed to enhance skills in literature, language, research and critical thinking. It is offered for students who desire to teach, for those who want to pursue an advanced degree, and for those who wish a degree in liberal arts with English specialization. Two options are available: a program with a thesis and one without a thesis. Those students who want to enter a doctoral program after completing the

MA are advised to choose the thesis option. Students may choose a creative writing project to fulfill the thesis requirement.

Applicants for the degree with the thesis option must complete 30 semester credit hours of work beyond the bachelor's degree. Twenty-four semester credit hours in English are required, including English 6391 (Bibliography and Research Methods) and six hours of thesis (6399 or 6699). No more than six semester credit hours of approved undergraduate courses may be included in the program, and up to six semester credit hours may be in approved supporting electives.

Applicants for the degree with the non-thesis option must complete 36 semester credit hours of work beyond the bachelor's degree, including at least 30 in English. Up to six semester credit hours may be in approved supporting electives, and up to six may be in approved 4000-level courses. English 6391 is required.

A written examination over a prescribed reading list is required of all students upon completing 24 semester credit hours of course work.

Senior Courses for Which Graduate Credit May be Received

Selected undergraduate courses may be taken for graduate credit with the permission of the instructor, the graduate advisor, the Head of the Department of English, and the Dean of the Graduate School.

Graduate Courses

6301 English Literary History (3-0). A study of specific periods of English literature as seen through specific works.

6306 Seminar in English Fiction (3-0). A close study of one or more major figures or of a related group of works. (May be repeated once for credit when topic varies.)

6307 Seminar in English Poetry (3-0). A concentrated study of the techniques and significance of one or more English poets. (May be repeated once for credit when topic varies.)

6310 Themes and Genres in Literature (3-0). A study of literary types or of significant themes.

6331 American Literary History (3-0). A study of individual periods of American literary history through a careful study of related works.

6333 Seminar in American Poetry (3-0). A concentrated study of the techniques and literary significance of one or more American poets. (May be repeated once for credit when topic varies.)

6335 Seminar in American Fiction (3-0). An intensive study of one or more major American writers of fiction. Emphasis on the relationship between the form and content. (May be repeated once for credit when topic varies.)

6339 Seminar in British Drama (3-0). In-depth study of one or more British dramatists. (May be repeated once for credit when topic varies.)

6341 Seminar in American Drama (3-0). In-depth study of one or more American dramatists. (May be repeated once for credit when topic varies.)

6361 Studies in Language (3-0). A study of special problems in the structure and history of the English Language.

6378 College Composition (3-0). A study of the theory, techniques, and procedures in college writing courses. Required of graduate assistants.

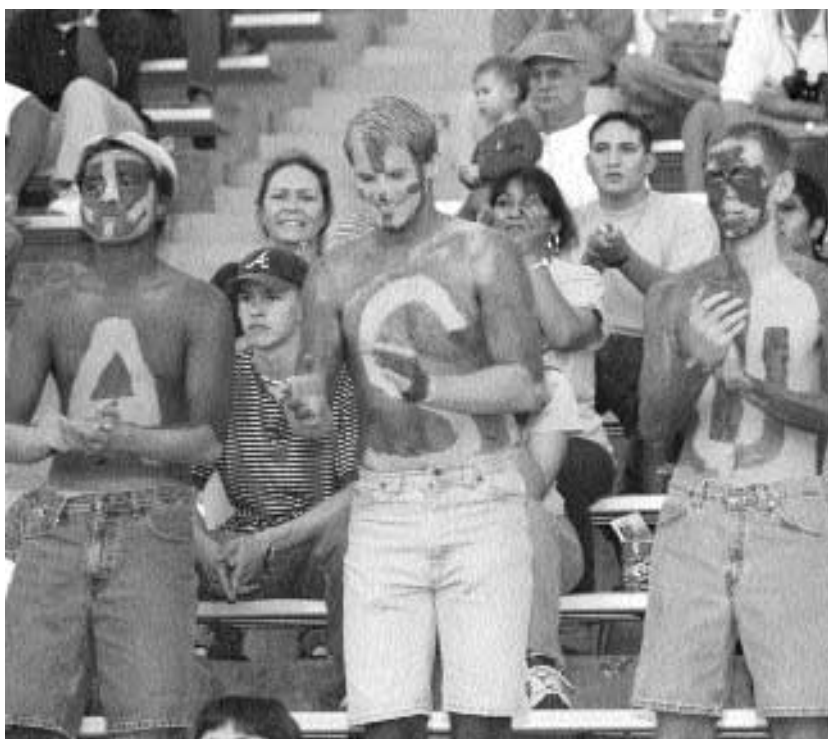
6381 Special Topics (3-0). A study of selected topics in English. May be repeated once for credit when topic varies.

6391 Bibliography and Research Methods (3-0). Exercises in the use of basic tools in the study of English and American literature; practical training in scholarly research and bibliographical guides.

6393 Research. A specialized course of individual research or directed reading. May be repeated once for credit. Prior approval of instructor and department head required.

6399 Thesis. A total of six hours required for thesis. This course must be repeated once. Students have the option of enrolling in English 6699 to fulfill the thesis requirement in one semester.

6699 Thesis. A total of six semester hours required for thesis credit. Students have the option of enrolling in English 6399 for two separate semesters in order to fulfill the six hour thesis requirement.



DEPARTMENT OF GOVERNMENT

Major Programs: Public Administration
International Studies

Professor and Head: Olson

Professors: Holland, Noelke, Olson

Associate Professors: Barbour, Garza, Jones

Graduate Advisor: Barbour, Public Administration

Garza, International Studies

Distinguished Professor Emeritus: Bill J. Henderson

Graduate Study in Government

The Department of Government offers graduate course work leading to the Master of Public Administration degree (MPA), the Master of Arts degree (MA) with an International Studies major, and courses in the Secondary Education option for the Master of Arts in Curriculum and Instruction degree.

Facilities. The multidisciplinary Master of Public Administration and Master of Arts in International Studies degree programs are supported by a comprehensive collection of journals, books, and government documents relating to the numerous facets of public policy and management. The professional nature of the MPA program is strengthened through the expanding network of interaction between faculty and public officials of the State and central West Texas region. The internship component of the MPA program will enable the student to gain practical career experience in a public agency under the dual supervision of an agency director and a member of the faculty of the Department of Government.

The Department of Government is housed in the Academic Building. Excellent computer facilities are accessible to students for research purposes.

The Master of Public Administration Degree

The MPA degree program is designed for persons interested in pursuing public service careers in local, state, regional, and federal government agencies.

Admission Requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, the applicant must have completed 24 semester credit hours in the academic disciplines of public administration, political science, psychology, business, or the social sciences, of which at least 12 are advanced undergraduate hours. For Regular admission, the student must have a score of at least 1500 using the formula: $[200 \text{ times (grade point average of the undergraduate degree program)}] + \text{the verbal Graduate Record Exam (GRE) score} + \text{the analytical Graduate Record Exam (GRE) score}$.

Degree Requirements. Students must meet with the graduate advisor before registering for any courses. The 36-semester-hour curriculum includes the following three categories:

1. Required Core Courses:

American Political Process (Government 6302)
Urban Politics (Government 6321)
Government and American Business (Government 6322)
Administrative Methodology (Government 6324)
Administrative Theory and Politics (Government 6327)
Public Personnel Management (Government 6328)
Governmental Finance (Government 6329)

2. Electives:

Nine semester credit hours (three courses) of electives must be chosen with the advice and approval of the Graduate Advisor.

3. Internship:

All students must complete an internship (Government 6671) or an in-service research paper (for mid-career students).

All students, usually prior to commencement of the internship, must successfully pass a comprehensive exam that, in consultation with the MPA advisor, may include written, oral, or both written and oral components.

The Master of Arts in International Studies Degree

The International Studies program leading to a Master of Arts (MA) degree is designed for persons interested in a career in which knowledge of international affairs is appropriate.

Admission Requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, the applicant must have completed a minimum of 24 semester credit hours in the academic disciplines of business, economics, government, history, and geography, of which at least 12 are advanced undergraduate hours. Economics 2300 or its equivalent is strongly recommended. For Regular status, the student must have a score of a least 1500 using the formula: [200 times(grade point average of the undergraduate degree program)] + the verbal Graduate Record Exam (GRE) score + the analytical Graduate Record Exam (GRE) score.

Degree Requirements. Students must meet with the graduate advisor before registering for any courses. The 36 semester hour curriculum includes the following three categories:

1. Required Core Courses:

International Business (BA 6321)
International Relations (Government 6351)
United States Foreign Policy (Government 6352)
United States Diplomatic History Since 1898 (History 6322)

2. 18 Semester Hours of Electives:

At least 6 semester credit hours from: Govt 6341, Govt 6353, Govt 6381
At least 9 semester credit hours from: Hist 6327, Hist 6333, Hist 6350, Hist 6362, Hist 6363, Hist 6373, Hist 6381

3. Thesis or Non-thesis

Thesis students must complete either History or Government 6699 Thesis. Non-thesis students must complete six semester credit hours of approved graduate electives in lieu of the thesis. Students selecting the non-thesis option must select History 6373 as one of their electives.

All students must successfully pass a comprehensive exam that, in consultation with the student's Advisory Committee, may include written, oral, or both written and oral components. In addition, students selecting the thesis option will defend their thesis as part of the examination process.

Senior Courses for Which Graduate Credit May be Received

*4301 American Constitutional Law (3-0). An analysis and interpretation, primarily through case studies, of judicial decisions leading to the development of constitutional principles of judicial review, separation of powers, federalism, implied powers, taxation, and commerce.

*4302 American Constitutional Law (3-0). An analysis and interpretation, primarily through case studies, of judicial decisions, leading to the development of constitutional rights, with particular emphasis on political, procedural, civil, and personal liberties.

*4331 European Political Theory I (3-0). A chronological survey of western political thought from the early Greek philosophers to the 18th century.

*4332 European Political Theory II (3-0). A chronological study of western political thought from the 18th century to the present.

*4381 Special Topics (3-0). A course dealing with selected topics in government. May be repeated once for credit when topic varies.

Prerequisite: Junior standing.

Graduate Courses

6302 American Political Process (3-0). An examination of the major institutions in the American political system. Topics include the constitutional basis of American institutions, Congress, the presidency and bureaucracy, the judiciary, and the distribution of power in the United States.

6321 Urban Politics (3-0). An examination of legal and political characteristics of city government, such as municipal powers and responsibilities, state supervision, urban political behavior, and special problems of urban and metropolitan areas.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved 4000-level courses may be taken for graduate credit and substituted for the listed courses in the International Studies degree program.

6322 Government and American Business (3-0). An examination of the interplay between American national, state, and local governments and American business. Topics of consideration include the historical changes in the relationship of government and business, the role of private enterprise in the federal grant-in-aid process, and the effect of government spending on business. Special focus will be given to government regulation of business. (Credit may not be earned for this course and Management 6322.)

6324 Administrative Methodology (3-0). A study of research methods used to examine decisions and policy in the public sector.

6327 Administrative Theory and Politics (3-0). An examination of organizational and behavioral theories of bureaucracies, their implications in a democratic society, and the study of resulting policy issues.

6328 Public Personnel Management (3-0). A course focusing on the process of personnel management for public institutions. Issues such as labor relations, federal and state employment procedures and salary systems are stressed.

6329 Governmental Finance (3-0). A course of study relating to the roles and activities associated with governmental financial planning and their impact upon society.

6341 Comparative Government (3-0). The comparative study of modern post-industrial societies in North America, Europe, and Asia, and of the societies of the developing world in Africa, Asia, and Latin America. (May be repeated when topics vary.)

6351 International Relations (3-0). The study of fundamental concepts and theories in international relations and the consideration of significant developments in contemporary international affairs.

6352 United States Foreign Policy (3-0). An examination of the processes of formulating and conducting United States foreign policy, the factors that influence policy, and the objectives and means of policy.

6353 International Relations of the Western Hemisphere (3-0). A study of evolving international relations in the Western Hemisphere, especially with regard to political, economic, and security issues pertinent to U.S. foreign policy and foreign relations in the region.

6381 Special Topics (3-0). A seminar in selected topics in government. (May be repeated once for credit when topic varies.)

6391 Research (3-0). Directed reading or individual research. (May be repeated once for credit.)

6671 Public Administration Internship. An assignment in a public agency designed to provide the student with a learning experience within an organizational environment under the supervision of a faculty member.

6699 Thesis.

DEPARTMENT OF HISTORY

Major Programs: History, International Studies

Professor and Head: Endress

Professors: De Leon, Eoff, Lehmann, Noelke, Pate, Ward, Wheeler

Assistant Professors: Siekmeier, Zheng

Graduate Advisor: Ward

Distinguished Professors Emeritus: Bob C. Holcomb, H. Dempsey Watkins

Graduate Study in History

The department offers graduate course work leading to a major in History and a major in International Studies for the degree of Master of Arts. The department also offers courses in the Secondary Education option for the Master of Arts in Curriculum and Instruction degree. (See page 458, under the School of Education.)

The Master of Arts degree is designed to serve students desiring to pursue historical studies beyond the baccalaureate degree. It is intended to instill in its students and demand of its graduates historical consciousness; those technical skills necessary to research, analyze, and write effectively; and a broad knowledge of the history of the United States and other selected areas of study. The Master of Arts degree provides graduate level preparation appropriate for individuals who plan to teach, to pursue advanced degrees in history, or to follow other career directions which call for analytical and communication skills. The Master of Arts degree in international studies is designed for students who are interested in international affairs. The program will strengthen the students' understanding of the manner in which nations and their leaders interact on the world stage and the factors which affect this interaction.

Facilities. An expanding collection of original research materials, located for the most part in the University library, provides the graduate student in history with excellent opportunities for research and study. The Department of History places a strong emphasis on regional, Texas, and Western American history. The emphasis is supported by the accessibility of numerous primary sources in the forms of diaries, journals, and memoirs of early settlers and pioneers of the American frontier. The records of Fort Concho also are available and offer promising research potential. Original manuscript sources are complemented by excellent holdings of historical journals and periodicals.

Faculty research activities also extend to European and Latin-American history, as well as to more general aspects of American history. A good basic collection of primary source materials in American history is available. Study and research in European and Latin-American history is supported by library microfilm collections with some emphasis on nineteenth and twentieth-century diplomatic developments in these regions.

The Department of History is housed in the Academic Building.

Admission Requirements. An applicant for the Master of Arts in History must have completed a minimum of 24 semester credit hours, including 12 advanced, of undergraduate course work in history. A student who does not meet this requirement must remedy the deficiency before being admitted to the program.

For Regular admission, the student must have a score of at least 1500 using the formula: [200 times(the grade point average of the undergraduate degree program)] + the score on the verbal portion of the Graduate Record Exam (GRE) + the score on the analytical portion of the GRE. Applicants who fall slightly short of this formula may be considered for provisional admission if there are strong additional indicators that the applicant will be successful in the program.

The History Major:

A major graduate program in history will be initiated under the direction of the departmental graduate advisor and approved by the Head of the Department of History and the Dean of the Graduate School.

Applicants for the degree must complete 30 semester credit hours of work beyond the bachelor's degree. Twenty-four semester credit hours in history are required, including History 6373 (Historiography and Research) and History 6699 (Thesis). No more than 6 semester credit hours of undergraduate courses approved for graduate credit may be included in the program.

Upon completion of all course work except the thesis, the student will take an oral and a written examination administered by the history graduate faculty. Degree candidates will be expected to demonstrate a fundamental knowledge across the spectrum of United States history and other specified areas agreed to when formulating the program.

The International Studies Major

The requirements for the International Studies program may be found on page 413, under the Department of Government.

Senior Courses for Which Graduate Credit May be Received

*3304 Age of Nationalism and Sectionalism, 1820-1850 (3-0). History of the United States 1820-1850. Emphasis will be placed upon nationalism, sectionalism, expansionism, and the significant personalities who actualized the Age of Jackson.

*3335 Renaissance and Reformation (3-0). Major developments in Europe from about 1450 to 1648, focusing on the humanist Renaissance, the Protestant Reformation, the Catholic reform movement, and the conflict of Protestants and Catholics throughout the Thirty Year's War of 1618-1648. (Credit cannot be earned for this course and for History 3332.)

*4303 Normalcy, Depression, and the New Deal, 1919-1945 (3-0). An intellectual, social, economic, and political study of America in the 1920s, The Great Depression, the New Deal, and World War II.

*4304 Contemporary America, 1945-Present (3-0). Post World War II America, including the intellectual, political, and economic developments as well as the development of American foreign policy.

*4330 The Middle Ages (3-0). Europe from the collapse of the Roman Empire to the eve of the Renaissance, with particular focus on feudalism, the empire of Charlemagne, the high and late medieval church, the construction of high medieval monarchy, and the Hundred Years' War.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved courses may be taken for graduate credit and used toward the master's degree.

*4333 Recent European History Since 1918 (3-0). An examination of the twentieth century European political organization, international relations, economic developments, and culture. Topics to be highlighted include the Great Depression, Totalitarianism, World War II, European unification, the Cold War, and the disintegration of the Soviet Union.

*4336 Age of Nationalism: Europe, 1815-1918 (3-0). A study of late 19th century Europe with special attention being given to the unification of Italy and Germany, the development of representative government, and the urbanization and industrialization of European society. This course will culminate in an analysis of the First World War. (Credit cannot be earned for this course and for History 4332.)

*4340 World History since 1945 (3-0). An examination of global interaction since World War II. Topics of study will include the Cold War, post-colonialism and the dynamics of modernization, international cooperation and regional conflicts, the development of an integrated world economy and related ecological issues among others.

*4350 Themes in United States History (3-0). This is the capstone to the history program. It provides an in-depth examination of fundamental themes of United States history for advanced students. Topics will include constitutional and political development; the frontier experience and regional conflict; emigration and ethnicity industrialization and urbanization, and the U.S. as a world power among others. This course is required for all students seeking secondary teacher certification in history.

*4351 Mexico Since Independence (3-0). A study of Mexican national history from 1823 to the present, detailing the political, economic, and cultural trends since independence and emphasizing United States-Mexican relations.

*4361 Topics in Military History (3-0). A study of war in different historical epochs. The course will analyze combat and the evolution of military technique within the broad cultural context of political, economic, social, and intellectual factors. May be repeated once for credit when topic varies. (If the topic is World War I or World War II, credit cannot be received for History 6362 or History 6363, respectively.)

*4362 Topics in Asian History (3-0). A seminar in selected topics covering Asian History from the ancient to the present. (May be repeated once for credit when the topic varies.)

Graduate Courses in History

6301 Texas History (3-0). A seminar in selected topics in Texas history.

6321 Early American History (3-0). A seminar in selected topics in American history from 1608 to 1825.

6322 United States Diplomatic History Since 1898 (3-0). A seminar in diplomatic history and U.S. foreign policy in the twentieth century with particular emphasis on the emergence of the United States as a world power.

6323 Mid-Nineteenth Century American History (3-0). A seminar in selected topics in American history from 1825 to 1877.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved courses may be taken for graduate credit and used toward the master's degree.

6327 Modern American History (3-0). A seminar in selected topics in American history from 1920 to present.

6333 Modern European History, 1914 to the Present (3-0). A seminar in the history of Europe in the twentieth-century with particular emphasis on the impact of the two world wars and the Russian Revolution on the role of European states as world political, economic, and cultural powers.

6350 Topics in Latin-American History (3-0). A seminar in selected topics covering the history of Latin America from the colonial era to the present. (May be repeated once for credit when the topic varies.)

6362 World War I (3-0). A study of the war of 1914-1918 that draws together the political, economic, technological, and military aspects of the war. Attention will be paid to the pre-war world, the conduct of the war, and its world-wide consequences.

6363 World War II (3-0). A study of the war in both Europe and the Pacific. Emphasis is placed on military history, but due attention is also given to the war's causes and its economic and political aspects.

6373 Historiography and Research (3-0). A seminar concerned with the study of history as an intellectual discipline and with the analysis of historical problems. Emphasis will be placed on the development of historical consciousness and technique.

6381 Special Topics (3-0). A seminar in selected historical topics. (May be repeated once for credit when topic varies.)

6391 Research. Directed reading or individual research. (May be repeated once for credit. Prior approval of instructor and department head required.)

6699 Thesis.

DEPARTMENT OF MODERN LANGUAGES

Program: English as a Second Language

Professor and Head: Krause

Professors: Devereaux, Dutton

Graduate Advisor: Krause

English as a Second Language (ESL) Endorsement

The Department of Modern Language coordinates courses at the graduate level leading to the endorsement of ESL (English as a Second Language). The following requirements must be met by the student pursuing the ESL Endorsement.

Entrance Requirements:

1. Bachelor's Degree
2. Valid Texas Teaching Certificate

Requirements:

1. 12 semester hours including at the undergraduate level:
 - a. Linguistics 3320 (Descriptive Linguistics)
 - b. Linguistics 3330 (Applied Linguistics)
 - c. English 4375 (English as a Second Language)
 - d. Education 4394 (Supervised Teaching in ESL)12 semester hours at the graduate level (for the graduate certificate in ESL - see below)
 - a. Linguistics 6301 (Linguistics for Public School Teachers)
 - b. Linguistics 6324 (Psycholinguistics)
 - c. English 6361 (Studies in Language)
 - d. English *4375 (English as a Second Language taken for graduate credit)
2. Evidence of a successful student teaching experience in an approved English as a Second Language program or one year of successful classroom teaching experience on a permit in an approved English as a Second Language or bilingual Education program, as documented by the employing superintendent. This may be fulfilled by Education 4394.
3. Passing the ExCET requirement for ESL. More information about the exam is available through the Region XV Education Service Center. ExCET study guides are available through the Department of Education.

Interested students should consult with the Head of the Department of Modern Languages when considering their degree plans.

Senior Course for Which Graduate Credit May be Received

*Linguistics 4310 General Linguistics (3-0). A study of general linguistics; a survey of phonological, morphological, syntactic, and semantic analysis and of historical and comparative linguistics.

*4340 Psycholinguistics (3-0). A study of the acquisition and development of language in children and the relationship between language and thought. This course includes a survey of theories and research in psycholinguistics.

Graduate Courses in Linguistics

Linguistics 6301 Linguistics for Public School Teachers (3-0). A survey of the phonological, morphological, syntactic, and semantic components of the English language. Linguistic principles and techniques as applied to the teaching of reading and language arts and a contrastive study of grammatical structures.

Linguistics 6324 Psycholinguistics (3-0). A study of the acquisition and development of language in children; relationships between language and thought; survey of important theories and research in psycholinguistics with emphasis on language perception and production.

-
- * With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved courses may be taken for graduate credit and used toward the master's degree.



DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Major Program: Psychology

Professor and Head: Davidson

Professor: Singg

Associate Professors: Montgomery, Mowrer

Assistant Professors: Forbes, Fuller, Schell

Graduate Advisors: Forbes, Schell, Singg

Graduate Study in Psychology

The Department of Psychology and Sociology offers graduate course work leading to the Master of Science degree in psychology with programs in counseling, general, or industrial-organizational psychology. A thesis or non-thesis option is available in all programs.

The programs in psychology must be initiated under the direction of a departmental graduate advisor and approved by the Head of the Department and the Dean of the Graduate School.

The graduate programs in psychology are designed to meet the needs of:

1. Students preparing for careers in professional applied psychology which require training in general psychology, counseling psychology, or industrial-organizational psychology.
2. Students preparing for careers in professional counseling as licensed professional counselors or as licensed psychological associates.
3. Students preparing for advanced graduate studies in psychology.
4. Students preparing for a teaching career in higher education.

Facilities. The Department of Psychology and Sociology offers the opportunity for students to earn the Master of Science degree in psychology with emphasis in counseling, industrial-organizational, or general psychology. Angelo State University and the surrounding San Angelo community provide a range of facilities that make graduate study in psychology a significant experience. Graduate programs in psychology are supported by an expanding collection of library books and research journals, and modern computer facilities and individual or classroom research projects.

The Department makes a variety of specialized measurement and research instruments available for independent study and for students who choose to do thesis research.

Practicum experience is required for students in the counseling psychology program. A variety of agencies in the community of San Angelo provide excellent opportunities for students to fulfill this requirement in a professionally rewarding way.

Departmental Admission Requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, an applicant must satisfy the two criteria listed below.

1. Complete a minimum of 24 semester credit hours, including 12 advanced hours, of undergraduate course work in psychology. This course work should include the following "leveling" courses or their substantial equivalents: (a) research methods and statistical analysis; (b) any combination of three of the following courses: learning and cognition, motivation, personality, history of psychology, abnormal psychology, physiological psychology. Students who satisfy the 24 credit hour requirement but lack some of the leveling courses may be admitted to the program but will be required to complete the leveling courses the first semester they are offered.
2. Score at least 1760 using the formula: $(320 \text{ times cumulative undergraduate grade point average})^* + \text{score on the verbal portion of the Graduate Record Exam (GRE)} + \text{score on the analytical portion of the GRE}.$

*(293 times undergraduate grade point average for the last 60 credit hours) may be used if it yields a higher score.

Master of Science

The Master of Science degree is offered in three program areas.

Master of Science in General Psychology

1. Thesis Option (36 semester credit hours): The student must complete a minimum of 30 semester credit hours of graduate-level work in psychology and six additional semester credit hours of graduate-level work in psychology or supporting electives. The psychology courses must include 6307, 6313, 6341, 6699 (Thesis) or 6399 (Thesis) twice; one from 6309, 6315, 6323, 6324, 6326, 6351; one from 6321, 6322; two from 6303, 6311, 6347. The courses for the remaining three semester credit hours in psychology and six semester credit hours in psychology or supporting electives are unspecified but must be approved by the student's advisor.
2. Non-Thesis Option (36 semester credit hours): The student must complete a minimum of 30 semester credit hours of graduate-level work in psychology and six additional semester credit hours of graduate-level work in psychology or supporting electives. The psychology courses must include 6307, 6313, 6341; one from 6309, 6315, 6323, 6324, 6326, 6351; one from 6321, 6322; two from 6303, 6311, 6347. The courses for the remaining nine semester credit hours in psychology and six semester credit hours in psychology or supporting electives are unspecified but must be approved by the student's advisor.

Master of Science in Counseling Psychology

1. Thesis Option (48 semester credit hours): The student must complete a minimum of 42 semester credit hours of graduate-level work in psychology and six additional semester credit hours of graduate-level work in psychology or supporting electives. The psychology courses must include 6303, 6307, 6313, 6321, 6322, 6323, 6324, 6347, 6351, 6371, 6671, and 6699 (Thesis) or 6399 (Thesis) twice. The courses for the remaining six semester credit hours of psychology or supporting electives are unspecified but must be approved by the student's advisor.

2. **Non-Thesis Option (48 semester credit hours):** The student must complete a minimum of 42 semester credit hours of graduate level work in psychology and six additional semester credit hours of graduate-level work in psychology or supporting electives. The psychology courses must include 6303, 6307, 6313, 6321, 6322, 6323, 6324, 6347, 6351, 6371, and 6671. The courses for the remaining six semester credit hours in psychology and six semester credit hours in psychology or supporting electives are unspecified but must be approved by the student's advisor.

A student who successfully completes either the thesis or the non-thesis option in counseling psychology will be eligible to take the examination administered by the Texas State Board of Examiners of Psychologists for certification as a Psychological Associate. A graduate who successfully completes 2000 hours of supervised practicum after completing this program will also be eligible to take the examination administered by the Texas State Board of Examiners of Professional Counselors to qualify for Licensed Professional Counselor (LPC).

Master of Science in Industrial-Organizational Psychology

Thesis or Non-Thesis Option (42 semester credit hours): The student must complete a minimum of 33 semester credit hours of psychology course work and nine additional semester credit hours of graduate-level work in psychology or supporting electives. The psychology courses must include 6313; four courses from 4335G, 6303, 6311, 6341, 6347; and four courses from 6350, 6351, 6352, 6353, 6354; and either 6672 (non-thesis option) or 6699 (thesis option). The remaining nine semester credit hours, at least one of which must be in psychology, are unspecified but must be approved by the student's advisor.

Senior Courses for Which Graduate Credit May be Received

***4313 Physiological Psychology (3-0).** A study of the interaction between the nervous systems and behavior. Representative topics include the structure and function of the nervous system, learning and memory, neurological/neuropsychiatric and language disorders, sleep and waking, aggression, and effects of abused drugs.

Prerequisite: Psychology 2301.

***4317 Current Issues in Counseling Psychology (3-0).** Current issues in counseling psychology including interpersonal relations, grief therapy, counseling the special populations such as elderly, terminally ill patients, handicapped persons, or victims of abuse.

Prerequisite: Psychology 3313.

***4319 Drugs and Behavior (3-0).** A study of the various drugs of abuse, both legal and illegal. Consideration of drug use and misuse, the political and social ramifications, and drug abuse prevention and treatment.

Prerequisite: Psychology 2301.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved 4000-level courses may be taken for graduate credit and used toward the master's degree.

*4335 Health Psychology (3-0). A study of contemporary theories and research in health psychology. Emphasis is on the interplay of biological, psychological, and social aspects of people's lives in relation to health and illness. Topics include stress and coping, chronic and life-threatening health problems, and managing and controlling clinical pain.

Prerequisite: Psychology 2301.

*4381 Special Topics (3-0). Selected topics in psychology. (May be repeated once for credit when topic varies.)

Prerequisite: Junior standing.

Graduate Courses

6161 Seminar in Teaching of Psychology. A course designed for students who have a strong interest in pursuing careers involving the teaching of psychology. Emphasis will be placed on the preparation and presentation of course content and the evaluation of student achievement. Students receive supervised experience in teaching an introductory course in psychology.

Prerequisite: 18 semester credit hours in graduate psychology and permission of instructor.

6303 Social Psychology (3-0). A study of the development and modification of human interaction, including topics such as social motives, social influence, aggression, attraction, attitudes, and group processes.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6307 Psychopathology (3-0). Survey of biological, psychological, and socio-cultural factors associated with selected behavior pathologies of childhood, adolescence, and adulthood.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6309 Cognitive-Behavioral Therapy (3-0). A study of clinical application of cognitive-behavioral therapies, techniques and interventions to a wide range of mental and emotional problems. The course will also examine some brief therapy approaches and techniques.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6311 Theories of Personality (3-0). An in-depth review of the major contemporary theories of human personality and the empirical research related to each. Practice in developing and analyzing a measure of selected personality traits.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology including a course in statistics.

6313 Research Design and Analysis (3-0). An investigation of and practice in research methods and analysis. The focus is on the statistical analysis of various research designs including univariate analysis of variance, multiple means tests, complex comparisons, regression, analysis of covariance and computer applications. A research paper incorporating the above material is required.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology including a course in statistics.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 6 semester credit hours of approved 4000-level courses may be taken for graduate credit and used toward the master's degree.

6315 Marriage and Family Counseling (3-0). Examination of current issues, theories, and therapeutic techniques in the field of marriage and family counseling.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6321 Individual Intellectual Assessment (3-0). A study of standardized individual measures of intelligence. While primary emphasis is placed on the administration, scoring and interpretation of the Wechsler scales of intelligence, students will be exposed to several other measures of intelligence and related abilities in adults, adolescents and children. Clinical interviewing and report writing are also emphasized.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6322 Personality Assessment (3-0). A study of standardized procedures of objective personality assessment. While primary emphasis will be placed on the administration, scoring and interpretation of the MMPI-2 and MMPI-A, students will be exposed to several other measures of personality used with adults, adolescents, and children. Clinical interviewing and report writing are also emphasized.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6323 Individual Counseling (3-0). Review of the major theories and techniques of individual counseling. Pre-practicum application of selected individual counseling techniques.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6324 Group Counseling (3-0). Review of the major theories and techniques of group counseling. Pre-practicum application of selected group counseling methods.

Prerequisite: Completion of 24 semester credit hours in undergraduate psychology.

6326 Counseling with Minorities (3-0). A descriptive and comparative analysis of classical counseling theories as they apply to ethnic and cultural diversity. An exploration of nontraditional counseling techniques for individuals of different racial, cultural, or socioeconomic status.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6327 Therapy With Children and Adolescents (3-0). A study of clinical interventions which integrates multicultural and relational approaches in therapy with children and adolescents. Emphasis is placed on translating conceptualizations of client's problems into specific treatment plans and interventions. The course examines various disorders including depression, anxiety, attention deficit/hyperactivity, eating disorders, and conduct disorders.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6341 Advanced Learning (3-0). A detailed study of current perspectives of classical conditioning, instrumental conditioning, social learning, and biological constraints on learning. Emphasis is on theoretical approaches to these types of learning.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6345 Advanced Psychological Assessment (3-0). Involves the practical application of a variety of psychological assessment techniques. Students will be required to administer, score, and interpret psychological test batteries, and they will also provide appropriate feedback of the test results. In addition, treatment planning will be emphasized.

Prerequisites: Psychology 6321, 6322.

6347 Developmental Psychology (3-0). A course that will study the various levels of life span in human beings. An integrated approach involving genetics and environmental factors will be used to assess each stage of development.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6350 Organizational Psychology (3-0). The study of human behavior in organizational settings. Topics include leadership, motivation, group processes, organizational development, hazardous work systems, and reciprocal influences between individuals and groups and their organizational contexts.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6351 A Survey of Vocational Counseling Methods (3-0). A course designed to analyze vocational theory and career development and explore principles related to vocational decision making. Selected vocational assessment batteries will be used to help students gain familiarity with vocational tests.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6352 Personnel Psychology (3-0). Theory, techniques, and legal issues involved in the effective matching of individuals' needs and preferences, skills, and abilities with the needs and preferences of organizations. Topics include tests and other predictors of performance, job training and analysis, performance appraisal, and job satisfaction.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6353 Theory and Techniques of Consultation (3-0). An examination of the consultation process, including the role of the consultant, stages in consultation, the development of consulting skills, and political/ethical issues.

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6354 Seminar in Industrial-Organizational Psychology (3-0). An overview of the professional psychologist at work in organizations. Topics include research issues, personnel issues, organizational issues, and ethical and legal issues.

Prerequisite/Corequisite: 6 graduate semester credit hours from Psy 6350, 6351, 6352, 6353.

6371, 6671 Practicum. Nine semester hours (450 clock hours) of supervised practical experience in a suitable setting using psychological appraisal and counseling techniques to meet the requirement of the Texas State Board of Examiners of Psychologists for subdoctoral certification and for partial fulfillment of the requirement of the Texas State Board of Examiners of Professional Counselors for licensure as a professional counselor. The student is expected to complete 150 clock hours in a supervised practicum for each three semester hours of credit. (Psychology 6371 may be combined with 6671 for the required 450 clock hours, or Psychology 6371 may be repeated for a total of nine semester hours.)

Prerequisites: Psychology 6321, 6322, 6323, 6324.

6381 Special Topics (3-0). A course dealing with selected topics in psychology. (May be repeated once for credit when topic varies.)

Prerequisite: Completion of 9 semester credit hours in undergraduate psychology.

6391 Research. A specialized course of individual research or directed reading.
Prerequisite: Permission of instructor.

6399 Thesis.
Prerequisite: Psychology 6313.

6672 Practicum in Industrial-Organizational Psychology. Supervised practice in applying psychological skills in organizational settings.
Prerequisite: 9 graduate semester credit hours from Psychology 6350, 6351, 6352, 6353, 6354.

6699 Thesis.
Prerequisite: Psychology 6313.



THE COLLEGE OF SCIENCES

David H. Loyd, Jr., Ph.D., Dean

Department of Agriculture

Master of Science in Animal Science

Department of Biology

Master of Science in Biology

Department of Chemistry and Biochemistry

Supporting electives for the Master of Science in Biology and the Master of Arts in Curriculum and Instruction

Department of Nursing

Master of Science in Nursing-Medical/Surgical Nursing

Department of Physical Therapy

Master of Physical Therapy



DEPARTMENT OF AGRICULTURE

Degree Offered: Master of Science in Animal Science

Professor and Head: Engdahl

Associate Professors: May, Scott

Assistant Professors: Carr, Reed

Graduate Advisor: Scott

Adjunct Professors: Calhoun, Craddock, Huston, Lupton, Machen, McGinty, Pinchak, Rollins, Taylor, Ueckert, Waldron, Walker

Graduate Study in Animal Science

Admission Requirements. In addition to the general requirements for admission to the Graduate School, the student will be expected to have completed 24 hours of undergraduate work in Animal Science, Agriculture, Range Management, Wildlife Management, or Agronomy. The undergraduate major program of the student will be evaluated by a departmental graduate faculty committee. Should this evaluation reveal an imbalance or deficiency, the student may be required to take additional course work as a prerequisite for regular admission to the graduate program. For regular admission, the student must have a score of at least 1500 using the formula: $[200 \text{ times}(\text{grade point average of the undergraduate program})] + \text{the score on the quantitative portion of the Graduate Record Exam (GRE)} + \text{the score on the analytical portion of the GRE}$. Students not meeting the requirements for regular admission to Graduate School may be admitted provisionally with approval of the graduate advisor and Graduate Dean.

The Master of Science Degree. The Master of Science degree with the thesis option is designed for persons intending to continue graduate work at the doctoral level. The non-thesis option is designed for persons wishing to pursue a career in industry, business, or governmental services or to teach at the junior college level. The specialized curricula are designed to give the student a thorough knowledge of the application of scientific principles to the production, processing, and marketing of livestock and livestock products. The Master of Science degree, thesis option, requires a minimum of 30 semester credit hours of graduate work, including 21-30 semester credit hours in agriculture department courses (including six semester credit hours for thesis) and 0-9 semester credit hours in supporting electives. The Master of Science degree, non-thesis option, requires a minimum of 36 semester credit hours of graduate work, including 27-36 semester credit hours in agriculture department courses (including three semester credit hours in Research) and 0-9 semester credit hours in supporting electives.

General Departmental Degree Requirements. The student's Master of Science program must be initiated under the direction of a major professor and approved by the Head of the Department of Agriculture and the Dean of the Graduate School. The specific courses required for Animal Science majors will be determined by the student's advisory committee. The thesis project must be approved by the advisory committee and Graduate Dean. All graduate students are expected to successfully pass a comprehensive oral exam at the end of their graduate work. Graduate students completing a thesis option also must successfully defend their thesis.

Facilities. The Animal Sciences program at Angelo State University is supported by a wide range of physical facilities which provide students with unique opportunities to gain experience in every facet of management, instruction, and research related to careers in the field of animal science.

Angelo State University operates a comprehensive Management, Instruction, and Research (MIR) Center in conjunction with 4,643 acres of land at O.C. Fisher Lake near San Angelo which the University utilizes as a multiple purpose agricultural production and wildlife management area under a 25-year lease from the U.S. Corps of Engineers, Department of the Army.

A multi-million dollar complex at the Center includes four instructional and research laboratories for animal science, animal anatomy and physiology, animal reproduction, animal nutrition, wildlife management, wool and mohair technology, and plant and range sciences.

An 80' X 120' multi-use arena provides facilities for livestock exhibitions and demonstrations, seminars, judging contests, and other activities. A maintenance complex includes shops for maintenance and repair of trucks, tractors, and other farm and ranch machinery, and for the construction of various types of equipment needed in animal, wildlife, and crop research.

The facilities of the Texas A&M University Agricultural Research and Extension Center at San Angelo are available for specialized instructional needs of Angelo State University students majoring in Animal Science. This Center, established adjacent to the University's Management, Instruction, and Research Center with the support and assistance of Angelo State University, is a joint partner with Angelo State University in striving to meet the agricultural needs of the Edwards Plateau.

Senior Courses for Which Graduate Credit May be Received

*Animal Science 4248 Reproductive Techniques (1-3). Techniques for increasing reproductive efficiency in farm animals; semen collection and evaluation, pregnancy diagnosis, and artificial insemination.

Prerequisite: Permission of instructor

*Animal Science 4342 Sheep and Goat Science (2-2). Methods of breeding, feeding, management, and marketing of commercial and purebred sheep and goats; production and marketing of animal fibers.

*Animal Science 4343 Beef Cattle Science (3-0). Methods of breeding, feeding, management, and marketing of commercial and purebred beef cattle.

Prerequisite: Animal Science 3342, 3443, 4344.

*Animal Science 4344 Animal Reproduction (3-0). Anatomy and physiology of the reproductive systems in farm animals; methods for increasing reproductive efficiency in farm animals.

Prerequisite: Chemistry 3331.

*Animal Science 4345 Animal Behavior and Welfare (3-0). Basic principles of animal behavior, physiology of behavior, stress, welfare and training of animals. Applications of behavior of livestock to their management and welfare.

*Range and Wildlife Management 4333 Range Wildlife Management (2-2). Introduction to the ecology and management of wildlife populations, integration of other resource demands with that of wildlife.

* Open to graduate students by permission of the Dean of the Graduate School. A maximum of 6 semester credit hours of senior-level courses may be taken for graduate credit.

Graduate Courses

Animal Science 6181 Seminar (1-0). A survey of the literature and current research in various fields of animal science, range management, and wildlife management. May be repeated once for credit when topic varies.

Animal Science 6191, 6391 Research. Individual research problems. (May be repeated for a total of 6 semester credit hours.)

Animal Science 6321 Research Methods (2-2). Procedures used in agricultural research including experimental design, data collection, preparation, and analysis of results.

Prerequisite: Biology 4480 or BA 2331 or equivalent.

Animal Science 6339 Advanced Reproductive Physiology (3-0). Physiological mechanisms of reproductive processes in livestock and research methodology.

Prerequisite: ASCI 4344 or equivalent.

Animal Science 6340 Advanced Sheep and Angora Goat Production (3-0). The application of current research to sheep and Angora goat production, nutrition, reproduction, and production systems.

Animal Science 6341 Advanced Animal Nutrition (3-0). A study of nutrient requirements of various physiological functions and levels of animal performance; feed standards, comparative feeding studies, determination of digestibility and nutritional balances. Practical application of the above to energy systems for predicting animal performance, defining energy-nutrient relationships, and computer formulation of diets.

Animal Science 6342 Ruminant Nutrition (3-0). Current fundamental concepts in the physiology of digestion and metabolism in ruminants and their relationships to nutritional research and practice.

Animal Science 6343 Genetics of Livestock Improvement (3-0). Application of genetics to the breeding and improvement of livestock. Methods of performance data analysis for developing efficient breeding plans.

Animal Science 6344 Physiology of Farm Animals (3-0). Current fundamental concepts of the biomedical, physiological, and endocrinological mechanisms affecting reproduction, metabolism, and growth of farm animals.

Animal Science 6345 Livestock Management (3-0). Economic considerations and current management problems of livestock production. Survey of current knowledge and concepts.

Animal Science 6346 Advanced Meat Science (2-2). A study of meat components, their development, and their effect on meat characteristics and processing properties.

Prerequisite: Animal Science 4346.

Animal Science 6381 Special Topics (3-0). Selected topics in advanced animal science, range management, or wildlife management. (May be repeated once for credit when topic varies.)

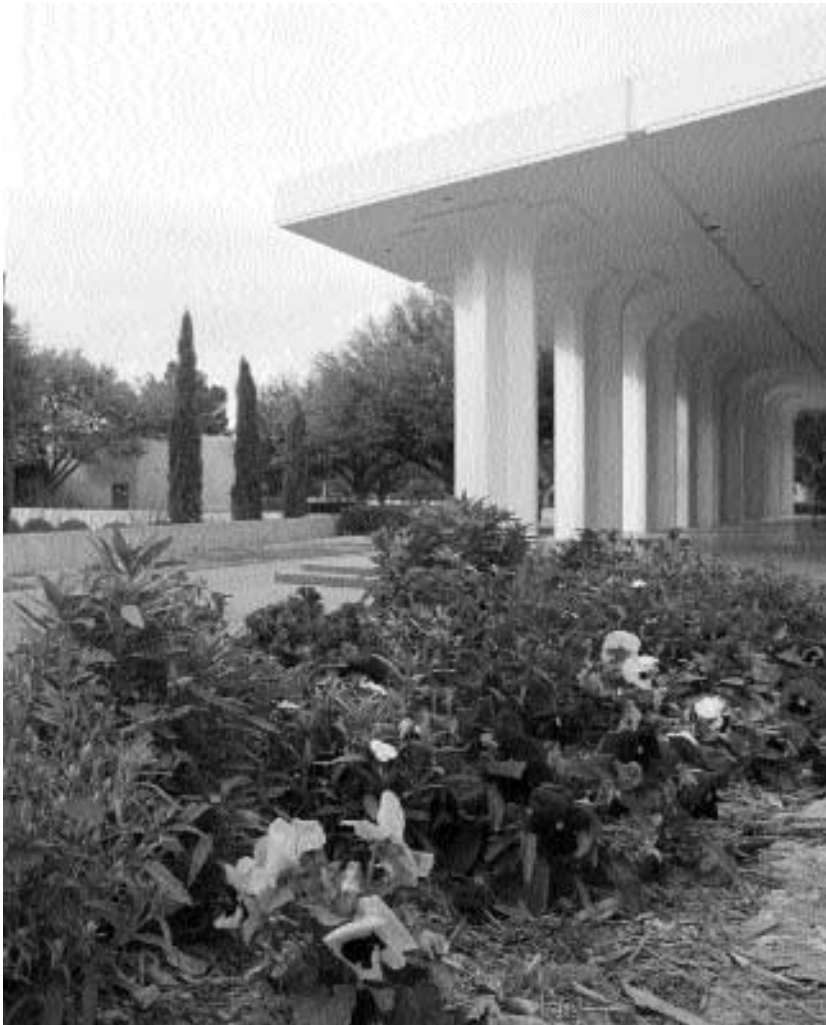
Animal Science 6399 Thesis.

Animal Science 6699 Thesis.

Food Science 6329 Advanced Food Science (3-0). A study of the chemical and physical properties of food components and their modifications by processing techniques.

Range and Wildlife Management 6338 Range Animal Nutrition (3-0). Application of principles of animal nutrition and production to a range ecosystem. Study of plant/animal/environmental interactions as related to nutritive value of forages and nutrient intake requirements of range herbivores.

Range and Wildlife Management 6339 Grazing Management (3-0). Provides a synthesis of literature addressing the fundamental ecological concepts and managerial principles pertaining to management of grazing animals.



DEPARTMENT OF BIOLOGY

Professor and Head: McCoy
Professors: Amos, Bloebaum, Dowler, Jones, Maxwell, Strenth
Associate Professor: Marsh
Assistant Professors: Russell, Wilke
Graduate Advisor: McCoy
Adjunct Professor: de la Concha-Bermejillo, Rollins

Graduate Study in Biology

The Department of Biology offers a graduate program leading to the Master of Science degree.

Admission Requirements. In addition to the general requirements for admission to the Graduate School, the student must have:

1. A B.S. or B.A. in biology or a related discipline (i.e., zoology, botany, microbiology, wildlife ecology),
2. A minimum of 24 semester credit hours of biology (to include cell biology, genetics, evolution, ecology, biostatistics, or additional undergraduate course work will be required); 12 of which must be advanced,* and
3. A score of at least 2250 using this formula: $400 \text{ times (grade point average on last 60 semester hours of the undergraduate degree program) + the score on the verbal portion of the Graduate Record Examination + the quantitative score from the Graduate Record Examination.}^{**}$

Facilities. The Department of Biology offers a graduate program that covers a broad range of subject areas. Laboratory facilities and research and teaching collections of plants and animals are located on the campus. Opportunities for field-oriented graduate research are enhanced by the location of San Angelo in an ecotone between several biotic provinces.

The biology faculty are engaged in research that includes behavioral and evolutionary ecology, microbial ecology, molecular genetics, parasitology, neurophysiology, and ecology and systematics of plants and animals.

Master of Science Degree Requirements. The student's Master of Science program must be initiated under the direction of a major professor and approved by the Head of the Department of Biology and the Dean of the Graduate School. The thesis option is offered for those students preparing for further graduate work in biology. For thesis admission, a student must select a research topic and be approved by the biology graduate faculty member who represents this discipline. The non-thesis option is offered for those students desiring to improve their positions and skills as secondary school or junior college teachers, laboratory technicians, consultants, or government employees.

* A student who has not completed the listed courses as an undergraduate will be required to take these courses as leveling work. All leveling courses must be completed within one year of enrollment in the graduate program.

** Applicants for the thesis option who fall slightly short of this formula may be considered for provisional admission if there are strong additional indicators that the applicant will be successful in the graduate program.

Thesis Option: The student must complete a minimum of 30 semester credit hours of graduate work, including

1. 18-24 semester credit hours in biology courses;
2. 0-6 semester credit hours in supporting electives;
3. a thesis in biology (6 additional semester credit hours in biology will be awarded for successful completion of the thesis) including a defense.

Non-Thesis Option: The student must complete a minimum of 36 semester credit hours of graduate work, including

1. 27-36 semester credit hours in biology, including 3 semester credit hours of literature-based research (field or laboratory research may be available after completion of this requirement);
2. 0-9 semester credit hours in supporting electives.

Comprehensive Examination. Each candidate for the Master of Science degree in Biology will be required to successfully complete Advanced Biology (BIO 6302). This course covers a broad range of general topics in biology and serves as the comprehensive examination in the Department of Biology graduate program

Senior Courses for Which Graduate Credit May be Received

***4150 Molecular Biology (0-4).** Laboratory course designed to teach experimental methods of molecular biology. Experiments will cover a variety of methods for investigating the structure and function of biological macromolecules (DNA, RNA and proteins) and is designed to prepare students for independent research in molecular biology. Optional laboratory to accompany Biology 4350.

Prerequisites: Concurrent or previous enrollment in Biology 4350.

***4350 Molecular Biology (3-0).** A study of the synthesis and function of biologically important macromolecules (DNA, RNA and proteins) and the regulation and control of the synthesis of nucleic acids and proteins. Introduction and applications to recombinant DNA techniques.

Prerequisites: Biology 3301 and Biology 3403.

***4401 Ornithology (3-3).** A study of the biology of birds, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas birds.

Prerequisites: Biology 2402 or equivalent.

***4402 Mammalogy (3-3).** A study of the biology of mammals, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas mammals.

Prerequisites: Biology 2402 or equivalent.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 8 semester credit hours of approved 4000-level courses may be taken for graduate credit and used toward the master's degree.

*4404 Herpetology (3-3). A study of the biology of amphibians and reptiles, their anatomy, evolutionary history, diversity, ecology, behavior, and zoogeography. Laboratory exercises will emphasize the identification and natural history of Texas amphibians and reptiles.

Prerequisites: Biology 2402 or equivalent.

*4423 General Physiology (3-3). An advanced course in fundamentals of vertebrate physiology emphasizing functions of molecular levels of activity. Laboratory exercises combine animal surgery, biochemical techniques, and electronic instrumentation.

Prerequisites: Biology 2402 and 2423 and junior standing or consent of instructor.

*4435 Plant Taxonomy (3-3). Laboratory and field studies emphasize the use of a dichotomous key using flowering plants of the Concho Valley as topics of study and recognition of the major families of flowering plants. Lecture emphasis is on current problems in plant taxonomy and systematics.

*4443 Invertebrate Zoology (3-3). A survey of major invertebrate phyla with emphasis on the classes of Cnidarians, Annelids, Mollusks, Arthropods, and Echinoderms. Particular attention will be given to phylogenetic relationships and natural history.

Prerequisite: Biology 2402 or equivalent.

*4444 Vertebrate Zoology (3-3). An intensive study of the living groups of vertebrates from agnathans through mammals with emphasis on functional anatomy, phylogeny, and natural history. Laboratory will emphasize comparative vertebrate anatomy.

Prerequisite: Biology 2402 or equivalent.

Graduate Courses

6181 Seminar (1-0). A review of the literature and current research in various biological fields. (May be repeated once for credit when topic varies.)

6191, 6291, 6391 Research. Individual research problems. (May be repeated to a total of six semester hours credit.) Approval from the Head of the Department is required prior to enrollment.

6301 Biometrics and Experimental Design (3-0). An examination of statistical methods used in biological research. Emphasis will be on the application of statistical procedures and the design of experiments. This course will include an overview of more complex statistical procedures including multivariate methods, randomization tests, and resampling techniques.

Prerequisite: Biology 4480 or equivalent

6302 Advanced Biology (3-0). A study of the basic principles of biology and levels of organization from the molecule to the community.

Prerequisites: Biology 3324 or equivalent.

* With the written permission of the Head of the Department and the Dean of the Graduate School, up to 8 semester credit hours of approved 4000-level courses may be taken for graduate credit and used toward the master's degree.

6324 Advanced Pathophysiology (3-0). A study of the function of the human body as it is altered by and responds to disease, including disease manifestations, mechanisms of disease production and response, and the physiological basis of diagnostic and therapeutic procedures. This course provides coverage of human diseases organized by the body system which they affect. Will not satisfy biology credit.

6330 Scientific Writing (3-0). The study and practice of all aspects of scientific writing skills. This will include the preparation and critical review of manuscripts, notes, abstracts, grant applications, reports and research presentations.

6342 Advanced Genetics (3-0). Study of recent advances in understanding theory, including mutation, cross-over, and hybridism. Discussion of current genetic technologies, including gene cloning. Familiarity with general principles of genetics is desirable.

6351 Evolutionary Ecology (3-0). An examination of theoretical models and empirical studies of life history and foraging strategies, competition, predation, mate choice, parental care, community structure, and other topics in ecology.

6353 Limnology (2-3). An examination of the physical-biological interactions in aquatic ecosystems. Emphasis will be placed upon the composition, variation, and dynamics of fresh water communities.

6354 Physiological Ecology (3-0). A comparative study of the anatomical and physiological adaptations associated with thermoregulation, food, water, and oxygen deprivation. Problems related to adaptation and the maintenance of homeostasis will be stressed.

6381 Special Topics (3-0). Selected topics in advanced biology. (May be repeated once for credit when topic varies.)

6399 Thesis. A total of six hours is required for thesis. This course must be repeated once. Students have the option of enrolling in Biology 6699 to fulfill the thesis requirement in one semester.

6431 Principles of Biosystematics (3-2). An examination of the principles and problems of systematics. The course will include an investigation of major classification systems and an examination of the literature and tools of systematics.

6411 Microbial Ecology (3-3). A study of the interrelationships of microorganisms in nature and their impact on macroorganisms. Topics will include but not be limited to antibiosis, biofilm formation, co-evolution, normal microbial flora of macroorganisms, competition, commensalism, succession, extreme environments and growth rate. The laboratory will emphasize the isolation and identification of microorganisms from various ecological niches.

6699 Thesis. A total of six hours is required for thesis credit. Students have the option of enrolling in Biology 6399 for two separate semesters in order to fulfill the six hour thesis requirement.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Professor and Head: Shankle

Professor: Dawkins

Graduate Advisor: Dawkins

Graduate Study in Chemistry

The Department of Chemistry and Biochemistry offers graduate courses which permit the student to select chemistry as part of the Secondary Education option in the Master of Arts in Curriculum and Instruction degree, or to select courses as supporting electives for a program of study leading to a Master of Arts or a Master of Science degree. Prerequisites for all graduate chemistry classes include fundamental undergraduate courses in general, analytical, and organic chemistry.

Facilities. The graduate faculty in the Department of Chemistry are engaged in a wide range of research activities in well equipped laboratories. Students will find a stimulating intellectual environment where they can improve their preparation for teaching chemistry in the public schools, support their master's study in animal science or biology, or prepare for further graduate study.

Senior Courses for Which Graduate Credit May be Received

*4233 Biochemistry Laboratory (0-6). A survey of the techniques and applications of molecular biology and biochemistry. Emphasis on current techniques and structure/function relationships of biological macromolecules.

Prerequisites: Biology 3403, Chemistry 3352, and Chemistry 4331.

*4331 Biochemistry (3-0). The chemistry of living organisms, carbohydrates, lipids, proteins, vitamins, and related cellular constituents are considered.

Prerequisite: Chemistry 3352.

*4332 Intermediary Metabolism (3-0). Coordinated examination of enzymatic processes in the living cell.

Prerequisite: Chemistry 3352.

*4333 Biophysical Chemistry (3-0). This course presents an introductory development of classical thermodynamics and dynamics as it applies to equilibrium, kinetics, and the transport properties of biological molecules. Biophysical methods for characterizing biological macromolecules, such as light scattering, sedimentation, electrophoresis, and structure determination methods will be presented and discussed.

Prerequisite: Chemistry 3352 and Mathematics 2332 or concurrent registration. Chemistry 4331 is recommended.

*4381 Special Topics. Selected topics in chemistry. (May be repeated once when topic varies.)

*4521 Instrumental Analysis (3-6). An introduction to the theoretical and practical aspects of physiochemical methods of analysis, including optical and chromatographic techniques.

Prerequisite: Chemistry 2421 and Chemistry 3352.

* Open to graduate students by permission of the Dean of the Graduate School. Students minoring in chemistry may use up to 12 semester credit hours of 4000-level work taken for graduate credit toward a master's degree.

Graduate Course

6383 Selected Topics in Biochemistry (3-0). Topics are chosen from such areas as intermediary metabolism, proteins, enzymes, physical biochemistry, or vitamins and hormones. (May be repeated once for credit when topic varies.)



DEPARTMENT OF NURSING

Major Program: Medical-Surgical Nursing-Clinical Nurse Specialist

Associate Professor and Head: Russell

Professor: Mayrand

Associate Professors: Balzer, Hutchinson

Assistant Professors: Allison

Professional Specialist: Wilkinson

Graduate Study in Nursing

The Department of Nursing offers a program leading to the Master of Science in Nursing degree: Medical-Surgical Clinical Nurse Specialist. Students also select a functional role minor in either teaching or administration.

Admission Requirements. In addition to the general requirements for admission to the Graduate School, applicants for regular admission to the MSN program must meet the criteria listed below.

1. A baccalaureate degree in nursing from a program accredited by the National League for Nursing Accrediting Commission, or the AACN Commission on Collegiate Nursing Education.
2. Grade point average (GPA) of 3.00 on a 4.00 scale.*
3. A basic statistics course (equal to 3.00 semester hours of credit) completed with a grade of C or higher.
4. A current license or eligibility for licensure as a registered professional nurse in Texas.
5. Evidence of inclusion of basic physical assessment content in an undergraduate nursing program or demonstrated proficiency in health assessment.
6. Two professional references regarding aptitude for graduate study.
7. A basic computer literacy course (equivalent to 3.00 semester credit hours).
8. Minimum of two years clinical practice as an RN.
9. A satisfactory score on the Graduate Record Examination (GRE) or Miller Analogies Test (MAT) within the past five years. Graduate faculty recommend a minimum GRE score of 1000 and MAT score of 50.

Prior to first clinical course:

1. Evidence of professional liability insurance.
2. Current CPR (professional level) certification.
3. Evidence of meeting state-mandated immunization requirements.

Facilities. Students majoring in nursing rely heavily on the University library as well as clinical libraries for study and research. A variety of books, journals, and other materials specific to the MSN program are in the ASU library. A variety of clinical facilities and services are available in the region for practicum and internships.

* When the GPA is below 3.00 but between 2.75 and 2.99 and if the applicant has achieved 3.25 in the last 60 hours of undergraduate work, the applicant may be granted provisional admission.

The Department of Nursing has equipment and laboratories needed for physical assessment learning as well as a TV production room for creating a variety of instructional materials. The Lloyd D. and Johnell S. Vincent Nursing-Physical Science Building, in which the Department of Nursing is located, houses an outstanding microcomputer lab with a wide variety of software.

Degree Requirements.

Required Core Courses (18 semester credit hours)

- Advanced Pathophysiology
- Theoretical Foundations of Advanced Nursing
- Design and Methodology of Nursing Research
- Advanced Health Assessment
- Pharmacotherapeutics
- Issues and Trends Affecting Advanced Nursing Practice

Clinical Specialization Courses (17 semester credit hours)

- Role Development: Clinical Nurse Specialist
- Internship in Advanced Nursing Practice
- Adult Health I and II

Functional Area (6 semester credit hours)

- Curriculum and Instruction in Nursing
- Roles of the Teacher in Nursing
- or
- Nursing Administration
- Practicum in Nursing Administration

Electives (6 semester credit hours)

Total (47 semester credit hours)

Graduate Courses

6303 Design and Methodology of Nursing Research (3-0-0). This course is designed to extend the learner's knowledge of nursing research as a basis for advanced nursing practice. The logic, methods, and techniques of both qualitative and quantitative research designs are analyzed. Knowledge and skills related to the components of the research process are applied to a selected nursing problem.

Prerequisite: Graduate standing and basic statistics course.

6310 Curriculum and Instruction of Nursing (3-0-0). This course is designed to introduce the student to the process of curriculum development in client, staff, and nursing education. Concepts and processes relevant to curriculum, teaching-learning, planning and evaluation are presented. Integration of theory and research as well as the practicalities of curriculum design are emphasized.

6311 Role of the Teacher in Nursing (1-0-6). An examination of the role of the nurse educator in client, staff, and nursing education. Concepts, theories, and research related to teaching-learning will be analyzed. Steps in the teaching process, teaching strategies, and evaluation will also be explored. Clinically, students will be provided the opportunity to design, implement, and evaluate learning experiences in a variety of settings, including staff development, primary and acute care settings, and nursing schools.

Prerequisite: Nursing 6310.

6313 Theoretical Foundations of Advanced Nursing (3-0-0). This course is designed to extend the learner's knowledge of nursing theory as a basis for advanced nursing practice with individuals and aggregates in a multicultural society. Students will analyze, compare, and evaluate selected theories utilized in advanced nursing practice.

6317 Issues and Trends Affecting Advanced Nursing Practice (3-0-0). The course is designed to explore external and internal forces that impact on the delivery of health care. Content focuses on historical, current, and predicted health care policies formulated at the local, state, and national levels. Health care delivery models, economics, and ethical issues, and emerging roles of professional nursing practice will be examined.

6318 Pharmacotherapeutics (3-0-0). This course focuses on the study of advanced pharmacologic principles of drug therapy used by nurses in advanced practice.

6321 Nursing Administration (3-0-0). This course is designed to provide the student with the opportunity to examine the role of the nurse administrator in selected health care settings. Content focuses on the major functions of management in nursing administration and the management of health care in hospitals and other settings. The functional aspects of leadership, communication, and decision-making are integrated in defining the role of the nurse administrator.

6322 Practicum in Nursing Administration (1-0-6). This course is designed to provide students with the opportunity to examine the role of the nurse administrator in selected health care settings. Based on individual student need, students are assigned under the preceptorship of an experienced nurse administrator. Concurrent seminars focus on the utilization of resources in the setting, development, and management of a budget, enhancement of human potential, evaluation of effectiveness and outcomes of productivity, and the analysis of conflict resolution.

Prerequisite: Nursing 6321.

6330 Role Development: Clinical Nurse Specialist (2-0-3). This course is designed to explore the sub-roles of the clinical nurse specialist as educator, expert clinician, researcher, and consultant. The practicum portion provides the student the opportunity to implement the sub-roles of the CNS in a selected setting. Students explore the use of change process, power, and standards of care in implementing and evaluating advanced practice in a clinical setting.

6331 Advanced Health Assessment (2-2-0). This course presents the theoretical and clinical principles for advanced health assessment in specialty nursing practice. Emphasis is on the integration of history and assessment findings in order to make appropriate clinical decisions. Campus labs provide opportunity to practice advanced skills.

Prerequisite: Graduate standing and basic assessment course.

6341 Adult Health I (2-0-3). An introduction to the role of the advanced nurse practitioner in the care of adult patients experiencing a variety of health problems. Clinically, students have the opportunity to apply nursing pathophysiological and psychosocial theories and concepts in the care of adult patients. Students also examine and apply relevant nursing research findings in clinical practice, identifying opportunities for the improvement of care of adult patients.

Prerequisites: Nursing 6303, 6313, 6318, 6331.

6342 Adult Health II Diagnosis and Management (2-0-3). This course focuses on the role of the advanced nurse practitioner as a member of an interdisciplinary team managing complex health deviation in adults. Emphasis is placed on appropriate diagnostic methods, treatment modalities, and referral criteria in the implementation of protocols for advanced nursing practice. Students are required to complete a research-based professional paper suitable for publication.

Prerequisites: Nursing 6341, 6330.

6381 Special Topics (3-0). A seminar in selected topics in nursing. (May be repeated once for credit when topic varies.)

6391 Research. Individual research in nursing. (May be repeated once for credit. Prior approval of instructor and department head required.)

6433 Internship in Advanced Nursing Practice (0-0-12). The first of two clinical practicums providing the opportunity to integrate all aspects of the clinical nurse specialist (CNS) role: clinical expert, consultant, educator, and researcher in a particular area selected by the student. A faculty advisor will consult with an appropriate representative of a health care facility in the ASU service area to arrange an internship assignment. Students work with preceptors to implement and evaluate advanced practice in a clinical setting. Four semester hours of credit will be received for successful completion of 180 clock hours of internship.

Prerequisites: All core and clinical specialization courses.

6434 Internship in Advanced Nursing Practice (0-0-12). The second of two clinical practicums providing the opportunity to integrate all aspects of the clinical nurse specialist (CNS) role: clinical expert, consultant, educator, and researcher in a particular area selected by the student. A faculty advisor will consult with an appropriate representative of a health care facility in the ASU service area to arrange an internship assignment. Students work with preceptors to implement and evaluate advanced practice in a clinical setting. Four semester hours of credit will be received for successful completion of 180 clock hours of internship.

Prerequisites: All core and clinical specialization courses.

DEPARTMENT OF PHYSICAL THERAPY

Associate Professor, Head, and Program Director: Kathleen A. Cegles

Associate Professor: Hutchinson

Assistant Professors: Hubbard, Weise

Professional Specialists: Lewis, Pape

MASTER OF PHYSICAL THERAPY

Graduate Study in Physical Therapy

The Department of Physical Therapy offers a 30-month entry-level, graduate professional program leading to the Master of Physical Therapy (MPT) degree. Students begin their lock-step, sequenced professional course of study second summer term, with a total combination of 10 long and short continuous terms to complete the full-time curricular course of study. Professional courses cannot be taken out of sequence. No part-time options are available. Each cohort is limited to 26 students. The Master of Physical Therapy (MPT) program is a candidate for accreditation with the Commission on Accreditation in Physical Therapy Education (CAPTE).*

This program offers several unique opportunities rarely found elsewhere in other Texas physical therapy programs. Students may enter the graduate program after only 90 semester credit hours of undergraduate study, including prerequisite courses. Students who have not completed their bachelor's degree, whose overall GPA is greater than 2.00 in the physical therapy program and who elect to leave the MPT program, will be able to continue their pre-established undergraduate degree plan. The unparalleled Carr Academic Scholarship program enables qualified students to receive payment of graduate tuition and fees, in addition to a modest stipend each semester, providing an ability to complete the graduate professional program debt-free.

Our commitment is to develop the ability in student physical therapists to think independently through facilitated learning, small group activities, tutorials, and telemedicine training; to weigh values; to understand fundamental physical therapy theory; and to develop skills for clinical practice through multiple exposures to clinical experiences in a variety of unique in- and out-of-state settings. ASU's distinctive high faculty-to-student ratio provides greater opportunities for interactive learning in our problem-oriented, competency-based, contemporary curriculum based on primary body systems (cardiopulmonary, integumentary, musculoskeletal and neurosensory). State-of-the-art human performance and human anatomy laboratories enable student physical therapists access to contemporary physical therapy education, research, and practice.

Vision Statement

The Master of Physical Therapy program at Angelo State University seeks to distinguish itself as a leader in evidence-based, research-focused instruction of its graduate professional student physical therapists. In addition, the Master of Physical Therapy program strives to be one of the nation's leading entry-level schools of physical therapy

* Candidacy status indicates that a program is making satisfactory progress toward compliance with accreditation criteria but does not assure the program will become accredited. The next on-site visit by CAPTE is anticipated to occur in July 2002.

in the practice-oriented preparation of future physical therapist professionals who can function as:

- Practitioner
- Researcher
- Collaborator
- Client Advocate
- Educator
- Administrator/Manager
- Consultant
- Community, regional, national, international leader.

Mission Statement

The Department of Physical Therapy supports the Mission of Angelo State University (ASU) by providing access to a graduate, entry-level professional Master of Physical Therapy program that prepares a globally diverse, reflective, service-oriented, and flexible physical therapist practitioner capable of multiple styles of thinking and learning, with a strong moral and value-centered internal compass. We, the physical therapy program faculty and staff at ASU, aspire to do this in a supportive academic and clinical environment conducive to diversity of thought and social concepts, along with consistent demonstration of strong ethical values and behaviors reflective of contemporary physical therapist practice. The Master of Physical Therapy faculty strive to facilitate the development of ASU physical therapist alumni who identify, redefine, and fulfill their responsibilities to society and the profession.

Philosophy

We, the faculty of the Department of Physical Therapy at Angelo State University, hold true the following beliefs and values as a guide for preparing competent, contemporary graduate professional physical therapists to meet the physical therapy needs of a globally diverse society. These beliefs and values will be the foundation for faculty and staff activities within the Department, including facilitating discovery, advising, mentoring, teaching, scholarship, research, practice, leadership, and community service.

Physical therapy, as an academic discipline and clinical science, requires the synthesis of knowledge, critical thinking, problem solving, decision making, individual accountability, technical proficiency and leadership. The clinical art of physical therapy is the application of the didactic knowledge in caring, collaborative, and therapeutic partnerships to promote, maintain, and restore function or achieve a peaceful death. Integration of the clinical art and science of physical therapy is manifested through the multi-variate roles of the physical therapist in primary, secondary, and tertiary care, in addition to roles in prevention and wellness.

The curriculum integrates problem-oriented, case-based course material into practical, clinically-oriented situations using small group tutorials, in addition to traditional facilitated learning techniques. Tutorials encourage students to develop respect and understanding for problem-solving skills and clinical decision-making, which leads to realistic self-discovery and solutions developed alongside peers, local clinicians, and faculty facilitators. Small group activities promote the development of collaborative teamwork and leadership skills, in addition to fostering the development of intellectual competencies and strong professional values. This, balanced with traditional teaching formats using state-of-the-art instructional technology, provides a supportive learning environment for students to succeed in a competency-based learning model.

The physical therapy faculty mutually respects colleagues, students and clients as unique individuals with multiple needs (e.g., biophysical, psychological, sociocultural, etc.). Everyone, as a member of the global community we serve, then, has the right and responsibility to participate in decisions and choices that affect them. As health professionals we believe that health is a dynamic state that is experienced on a wellness - illness continuum impacted by lifestyle choices, cultural influences, access to health care, and reaction/adaptation to internal and external environmental factors.

Working collaboratively throughout the curriculum on multidisciplinary projects internal and external to ASU, student physical therapists are empowered to develop effective communication skills while learning to investigate, critically analyze and present scholarly material based on scientific evidence and definitive physical therapy practice principles. As future health care practitioners, student physical therapists will develop their professional knowledge, skills, attitudes and behaviors through weekly case conferences, community service projects, *pro bono* service, mini-practicums, skills check-offs, simulations, practical examinations, peer-reviewed activities, and engagement in thoughtful reflection through journals and generic abilities self-assessment techniques. It is our intention that students, through faculty modeling, will learn to internalize the drive for lifelong learning and view the clinical relevance of their course work through demonstration of evidenced-based, "best" practice.

We believe the health care needs of the global community are best served by preparing culturally-diverse, reflective, service-oriented, and flexible practitioners capable of contemporary practice. Emphasis, therefore, will be placed on prevention of illness and disease, promotion of wellness and health, as well as restoration and maintenance of function as a natural, commonplace process engineered for optimal health outcomes in a variety of structured and unstructured settings. As a primary coordinator of preventive health care, the future physical therapist will require expanded skills in communication, negotiation, and collaboration to assume leadership roles in the community, by using political and organizational processes to advance professional physical therapy standards. Also, as an autonomous practitioner, the physical therapist must competently screen, examine, evaluate, diagnose, prognose, and plan interventions ranging from simple to complex movement dysfunction using appropriate referral, intervention, monitoring and enhancement of client response. Our curricular philosophy includes a global perspective on the practicalities of health care in the widely variable, potentially explosive, and ever-changing medical climate. Preparing physical therapists for the future poses significant challenges, in addition to multiple opportunities, for newness and change in physical therapist education. The ASU MPT program strives to attract, embrace, and foster student physical therapists capable of multiple styles of thinking and learning who are not fearful of challenging and redefining health care delivery as we know it.

We believe that learning is a lifelong, multistage process, characteristically moving from simple problems to more complex, divergent, and scientifically-based critical thinking. Optimal learning occurs in a caring, participatory and supportive educational environment that includes respect for individual diversity, access to resources, and consistent role modeling. We believe that faculty collegiality facilitates and promotes mentoring and developmental activities in a professional environment. The program faculty encourages and supports collaborative endeavors with students, colleagues, and community members to address a wide range of health care concerns on a local, regional, national, and international basis. Through example, facilitation, and scholarship, the program faculty strives to model commitment to lifelong learning through a balance of personal and professional growth activities.

Admission requirements. Admission into the physical therapy master's degree program will be limited to 26 students per year. Applicants interested in pursuing the Master of Physical Therapy (MPT) degree must successfully pass through a three-stage process.

Criteria for Stage I:

1. Submission of graduate school application and residency forms and \$25 application fee to the Graduate Office. Deadline is typically during the month of December.
2. Completion of a minimum of 90 semester credit hours from an accredited U.S. college or university or an international equivalent. Applicants holding a baccalaureate or graduate degree are encouraged to apply.
3. A minimum cumulative grade point average of 3.00 on a 4.00 scale as evidenced by official transcripts.
4. Completion of all prerequisites (described below) with a minimum grade of *B* (3.00) in each prerequisite course prior to the start date of the MPT program; if prerequisite courses are repeated, the grade is calculated by averaging repeated course grades.
5. Completion of all prerequisite courses within five years prior to entry into the MPT program.
6. Submission of Graduate Record Exam (GRE) scores. Applicants must meet the formula: (300 times undergraduate GPA) + all three scores of GRE must be greater than or equal to 2400.
7. Submission of MPT Self-Report Transcript Evaluation Form.
8. International students must submit official TOEFL score. A minimum of 600 on the paper and pencil test or a minimum of 250 on the computer-based test is required.

PREREQUISITE COURSES:

<u>Discipline</u>	<u>Credit Hours</u>	<u>General Course</u>	<u>ASU Course Number</u>
Anatomy	4 semester hours	Human Anatomy	BIO 2423 (with lab)
Physiology	4 semester hours	Human Physiology	BIO 2424 (with lab)
Biology	8 semester hours	Principles of Biology	BIO 1301 & BIO 1101(lab)
		General Zoology	BIO 2402 (with lab)
Chemistry	8 semester hours	General Chemistry	CHEM 1411 & CHEM 1412
			(both include labs)
Physics	8 semester hours	General Physics	PHYS 1311 & PHYS 1103
			PHYS 1312 & PHYS 1104
Psychology	6 semester hours	General Psychology and	PSY 2301 & PSY 2304
		Developmental Psychology	
Inferential Statistics	3 semester hours	Statistical Techniques for	NUR 4337 (preferred), or
		Health Professionals, or	PSY 3305, or MATH 3321
		Research Methods and Statistics Analysis, or Statistics	

Criteria for Stage II:

1. Notice from the Dean of the Graduate School that Stage I has been successfully completed.
2. Submission of the physical therapy application and the \$25 physical therapy application fee to the Physical Therapy Department. Deadline is typically during the month of January.
3. Three letters of recommendation (professional, academic, personal) specifically describing the candidate's potential for graduate study in physical therapy.
4. Submission of volunteer or paid hours showing completion of at least 75 hours within three different areas of health care practice. The minimum of 75 hours must be completed prior to the start of Stage III.

Criteria for Stage III:

1. An invitation from the Department of Physical Therapy to interview. A select number of qualified applicants who complete the Stage II application process will be invited to interview, typically in February. Interview candidates will be selected on the basis of their letters of recommendation, their prerequisite grades, transcript evaluation, their volunteer/paid hours, and overall GPA.
2. Acceptance into the MPT program requires formal acceptance by written letter from the Dean of the Graduate School. These letters are typically distributed in mid-March.

A student can only commit to one physical therapy program for acceptance in the state of Texas, enabling programs to "reserve" sufficient spaces for each qualified applicant who has been notified of program acceptance. All acceptance lists are shared with other physical therapy programs within the state of Texas.

Applicants who meet the stated criteria for program admission and were placed on the alternate list because of class size limitations will be reconsidered should a vacancy occur.

Prior to program admission, the student must provide documentation of the following:

- a. Health insurance
- b. Physical examination
- c. Professional CPR certification
- d. Basic first aid certification

Standards for Continuation in the Master of Physical Therapy Program

1. Successful completion at mastery level of each physical therapy course.
2. An overall grade point average of 3.00 or better on the 4.00 scale must be maintained.
3. Students may not progress to any of the full-time clinical internships without successful completion at mastery level of each previously sequenced didactic physical therapy course.
4. Each student physical therapist must demonstrate safe performance in the classroom, laboratory, and clinical setting at all times.
5. Student physical therapists must accept responsibility for demonstrating physical and emotional health, adhere to the Code of Ethics and Standards of Practice of the American Physical Therapy Association, and adhere to the rules and regulations as defined in the current Physical Therapy Practice Act of the State of Texas.
6. Progress to and maintain generic ability levels established by the program prior to progressing to each full-time clinical internship.

Should a student physical therapist be dismissed from the program for failure to maintain any of these standards, the student may appeal dismissal to the Dean of the Graduate School through the Head of the Department of Physical Therapy.

Unsafe Clinical Practice

The nature of clinical physical therapist courses is such that student physical therapists are involved in the direct delivery of patient care services. The primary purpose of any course is to provide education for students. However, when direct patient care is involved in the learning experience, the safety and well-being of patients and clients are also of paramount concern. Physical therapist clinical experiences are structured so that as students progress through the program, they are expected to demonstrate increasing independence and competence in providing physical therapist care.

Students are expected to demonstrate achievement of clinical objectives by the end of each full time clinical course. If, in the Academic Coordinator of Clinical Education or Clinical Instructor's professional judgment, a student is unable to provide safe care to patients and clients as delineated in the APTA Standards of Practice (current edition) and if this deficit is such that the faculty agree it cannot be remedied in the given clinical time within the limits of available faculty supervision, the student will be removed from the clinical setting and will receive a grade of *F* in the course.

A student whose performance in a clinical internship is judged to be unsafe by the Physical Therapy Department faculty, based upon established standards for patient/client care, may be dismissed from the MPT program at any time upon recommendation of the Head of the Physical Therapy Department. A student removed from a clinical course under these provisions will be given a failing grade at the time the decision is made.

Students will be allowed due process as established by University policy and procedures following course failure or program dismissal. Pending a final determination of the case, the status of the student may be restricted both didactically and clinically for reasons of the safety or well-being of persons or property as determined by the President of the University.

Policies

Each student physical therapist is required to purchase a lab coat, accessories, supplies, and student liability insurance and submit proof of health insurance, health exam, and required immunizations prior to program matriculation. In addition, students must maintain current CPR certification. The Angelo State University name tag must be worn for clinical experiences or for activities associated with the Department of Physical Therapy.

Disciplinary Action

Any student who demonstrates behavior inconsistent with established physical therapy standards (APTA Code of Ethics, Guide to Professional Conduct, Standards of Practice) and/or the Texas Physical Therapy Practice Act (Rule 322.4, Practicing in a Manner Detrimental to the Public Health and Welfare) and/or personal good cause including, but not limited to medical, physical, or mental incapacity (outside of previous reasonable ADA accommodations), and/or commits a criminal offense (Texas Penal Code 42.10, Abuse of a corpse), and/or violates the Texas State Administrative Code (Title 25 Part 4, Anatomical Board of the State of Texas) constitutes grounds for course failure and immediate removal from the classroom, lab, or clinical experience. In addition, the student

who breaches these policies, rules, regulations, laws and/or codes is subject to immediate dismissal from the physical therapy program.

Facilities

Students in the Master of Physical Therapy program are provided with state of the art clinical equipment and laboratory facilities reflective of contemporary physical therapist practice. In addition, student physical therapists rely heavily on the University library, as well as regional medical and non-traditional health care facilities for study and research. A variety of clinical facilities and services are available nationally for full-time clinical internships. Student physical therapists will be offered exposure in such diverse settings as the military, sports care, rural health care, head trauma, dolphin therapy, research facilities such as the National Institute of Health (NIH), state and national professional organizations such as the American Physical Therapy Association and the Texas Physical Therapy Association, pediatrics, geriatrics, and alternative medicine settings, depending on the site and type of clinical internship, independent study, research, and management project path(s) the student chooses to take.

Shared with the Department of Nursing, the Department of Physical Therapy has equipment and laboratories needed for examination and intervention learning as well as a TV production room for creating a variety of instructional materials. The Lloyd D. and Johnell S. Vincent Nursing-Physical Science Building, in which the Department of Physical Therapy is located, houses an outstanding microcomputer lab with a wide variety of software.

Program of Study (107 semester credit hours)

YEAR I

SUMMER II

PT 5370	Physiology of Exercise
PT 5300	Introduction to Physical Therapist Practice

FALL

PT 5624	Advanced Human Anatomy
PT 5101	Physical Therapist Seminar I
PT 5271	Introduction to Clinical Practice
PT 5320	Pathophysiology

SPRING

PT 5102	Physical Therapist Seminar II
PT 5572	Biomechanical Analysis of Movement
PT 5623	Neuroscience: Applied Neuroanatomy and Neurophysiology
PT 5710	Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems I

YEAR II

SUMMER I

PT 6101	Physical Therapist Seminar III
PT 6510	Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems II

SUMMER II

PT 6471	Clinical Practicum I
---------	----------------------

FALL

PT 6733	Motor Development and Enhancement Throughout the Lifespan
PT 6711	Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems III
PT 6290	Research Methods
PT 6740	Physical Therapist Examination and Management of Neurosensory System Problems I

SPRING

PT 6291	Research Proposal
PT 6230	Health Care Issues
PT 6641	Physical Therapist Examination and Management of Neurosensory System Problems II
PT 6450	Physical Therapy Administration & Management I
PT 6165	Independent Study IA

YEAR III

SUMMER I

PT 7292	Research Seminar
PT 7472	Clinical Practicum II

SUMMER II

PT 7260	Physical Therapist Examination and Management of Multi-System Problems
PT 7350	Physical Therapy Administration and Management II
PT 7165	Independent Study IB

FALL*

PT 7473	Clinical Practicum III
PT 7166	Independent Study IC
PT 7351	Physical Therapy Administration & Management III
PT 7293	Research Project

* The capstone experience for graduation from the Master of Physical Therapy (MPT) program requires successful course and project completion of:

1. Clinical Practicum III (PT 7473)
2. PT Administration and Management III (PT 7351)
3. Research Project (PT 7293)
4. Independent Study (PT 7166)
5. Generic Abilities (entry level ratings)

Graduate Courses

5101 Physical Therapy Seminar I (1-0-0). This course provides the student physical therapist with an introduction to the process of clinical case research and critique in a problem oriented format. Current literature, patient and client case studies, and clinical issues will be presented in a discussion forum by the students, local and regional medical, academic, and clinical professionals.

Prerequisite: PT 5300.

5102 Physical Therapy Seminar II (1-0-0). This intermediate level course is designed to move student physical therapists' scholarly inquiry to the level of co-case presenter, alongside local and regional medical, academic, and clinical professionals. This will be the student's first exposure to communicating joint research results in a case study format.

Prerequisite: PT 5101.

5271 Introduction to Clinical Practice (2-0-0). This course reflects the introductory aspects of the didactic portion of clinical practice concepts including communication skills, professional behavioral attributes, clinical decision-making, ethics, abuse issues, sexual harassment, critical thinking, effective problem solving, negotiation skills, introductory aspects of documentation, teaching and learning styles, and time management. The student also participates in a series of part-time clinical observations in selected regional facilities, thus allowing the student to observe health practitioner interactions in a variety of settings.

Prerequisite: PT 5300.

5300 Introduction to Physical Therapist Practice (3-0-0). An introduction to health care, the health professional, and the health care professional's role. Designed to assist entering students in developing a theoretical frame of reference for study of their chosen profession. The course includes topics such as verbal, nonverbal, and written communication; critical thinking; clinical decision-making; ethics; professional attributes and behavior; educational principles; and the multi-variant role of the health care professional. This course reflects an emphasis on current autonomous scope of practice, the Guide to Physical Therapist Practice, global health care concepts, and the diverse and flexible physical therapist's role as a professional within the health care arena.

Prerequisite: MPT program admission.

5320 Pathophysiology (3-0-0). A study of the function of the human body as it is altered by and responds to disease, including disease manifestations, mechanisms of disease production and response, and the physiological basis of diagnostic and therapeutic procedures. This course provides coverage of human diseases not confined to a single body system.

Prerequisite: Undergraduate physiology course.

5370 Physiology of Exercise (2-3-0). An integrated approach to the study of human physiology as it pertains to physical fitness, activity, performance, and wellness. A scientific basis for connecting physical therapy to physical activity, performance, and health is presented. The course includes presentation of metabolic, hormonal, and structural systems of the body related to activity and performance. The course provides an opportunity for the student physical therapist to develop the skills necessary for implementing activity programs and exercise prescription for the normal, healthy individual.

Prerequisites: Undergraduate anatomy and physiology coursework.

5572 Biomechanical Analysis of Movement (4-4-0). An in-depth analysis of natural and pathological mechanisms related to human movement with an emphasis on the primary principles of biomechanics, natural gait, and patterns of motion. Incorporated within the course is a study of the pathological mechanisms affecting human movement dysfunction. The course will focus on understanding the interrelationship of human structure and movement with respect to anatomy and mechanical analysis with emphasis on patient rehabilitation. Laboratory experiences are designed to enhance, integrate, and apply lecture concepts.

Prerequisite: PT 5624.

5623 Neuroscience: Applied Neuroanatomy and Neurophysiology (5-4-0). An in-depth study of the structure and function of the human central/peripheral nervous system, including vascular components and special senses, emphasizing nervous system control of movement. Lab includes dissection of human nervous system material, brain sections, and anatomical models.

Prerequisite: PT 5624

5624 Advanced Human Anatomy (3-9-0). A laboratory intensive course designed to reflect the depth and breadth of foundational medical and clinical science knowledge of gross anatomical structures via human cadaver dissection, lecture, group tutorial work, anatomical models, and prosected specimens. This course will assist students to develop an advanced understanding of the functional, clinical, and kinesiological significance of the integumentary, cardiopulmonary, musculoskeletal, and neurosensory systems.

Prerequisite: Undergraduate human anatomy course.

5710 Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems I (6-4-0). First in a series of three integrated musculoskeletal/cardiopulmonary body system courses enabling the student to develop competencies relating to soft tissue disorders, bone and joint trauma, and cardiopulmonary adaptation responses to exercise and stress. Concepts and skills are cumulative with continued enrollment dependent on mastery and use of previous concepts.

Prerequisites: PT 5320 and PT 5370.

6101 Physical Therapy Seminar III (1-0-0). This weekly seminar provides an opportunity for faculty and second year student physical therapists to make independent and joint presentations of scholarly inquiry such as clinical case reports, faculty and student research, independent study presentations, and administration and management projects. A primary goal in this course is to showcase scholarly work by faculty and student physical therapists to the University and local community in a weekly forum.

Prerequisites: PT 5101 and 5102.

6165, 7165, 7166 Independent Study IA, (1-0-0), IB, (0-1-0), IC (0-1-0). This continuous and progressive series of three independent study courses allows student physical therapists to enrich their knowledge and competency in an advanced area of interest. Students design the learning experience with guidance from the course coordinator and a content advisor by means of a learning contract.

Prerequisite: All previous MPT didactic and clinical course work.

Grading for PT 6165 IA is (P) Pass or (F) Fail.

Grading for PT 7165 IB is (P) Pass or (F) Fail.

6230 Health Care Issues (2-0-0). The exploration of current local, regional, state, national, and global issues and trends in health care and their effects on the delivery of physical therapy services. Topics include methods and regulations of health care delivery, role, and function of professional organizations, and other contemporary and relevant health care issues.

Prerequisite: All previous MPT didactic and clinical course work.

6290 Research Methods (2-0-0). This course is designed to present information about the research process including: research types, inquiry and research question development, research theory and framework, design and methodology, instrumentation, data collection and analysis. Students will synthesize and evaluate problems in the literature related to principles, reasoning, and methodology of physical therapy and health-related research. This course will culminate in the development of a physical therapy research question for each student.

Prerequisite: Introductory statistics course.

6291 Research Proposal (2-0-0). This course builds on the concepts and methods presented in PT 6290: Research Methods. Students will learn to systematically examine databases and current physical therapy literature related to physical therapy research questions. In addition, students will learn computerized parametric and non-parametric statistical procedures as they are applied to research questions in physical therapy. Students will develop a research proposal under the direction of a physical therapist content advisor and research coordinator.

Prerequisite: PT 6290.

6450 Physical Therapy Administration and Management I (4-0-0). This course presents an introduction to the theories and application of effective management strategies including topics such as management/leadership styles, quality assurance/TQM, peer review, personnel relations, organizational structures, employee issues and regulations, task management, productivity, and accountability. The course includes experiential and group learning activities.

Prerequisite: All previous MPT course work.

6471 Clinical Practicum I (0-0-40). An eight-week, full-time clinical experience assigned at clinical facilities throughout North America. This initial full-time clinical experience provides student physical therapists with the opportunity to develop competency in physical therapist management of individuals with musculoskeletal and basic cardiopulmonary dysfunction.

Prerequisite: All previous MPT course work.

Grading for this course is (P) Pass or (F) Fail.

6510 Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems II (4-4-0). This is the second intermediate level course in a series of three integrated musculoskeletal/cardiopulmonary body system courses enabling the student to develop competency relating to acute and chronic cardiopulmonary dysfunction (CAD, MI, restrictive/obstructive pulmonary disorders, etc.) in addition to acute and chronic spinal/extremity dysfunction and degenerative musculoskeletal disorders. Concepts and skills are cumulative from PT 5710 with continued enrollment dependent on mastery and use of previous concepts.

Prerequisite: PT 5710.

6641 Physical Therapist Examination and Management of Neurosensory System Problems II (4-6-0). This is the second in a series of two neurosensory system courses enabling the student to develop an advanced level of competency relating to patients/clients with adult neurological dysfunction such as traumatic brain injury and neoplastic, infectious, metabolic, and degenerative problems. The course offers laboratory learning experiences using direct patient care opportunities via adults from regional neurological disability support groups. Direct patient/client care opportunities are available through the use of experienced clinicians working with students in a clinical mentoring program. Concepts and skills are cumulative and continued enrollment depends on mastery and use of previous concepts and skills.

Prerequisite: PT 6740.

6711 Physical Therapist Examination and Management of Musculoskeletal and Cardiopulmonary System Problems III (6-4-0). This is the third in a series of three contiguous, integrated musculoskeletal/cardiopulmonary body system courses enabling the student physical therapist to develop an advanced level of competency relating to more complex, multiple system case studies and problems than PT 5710 and 6510 including musculoskeletal neoplasms, cardiovascular disease (PVD), metabolic (diabetes), and pulmonary (bronchiogenic cancer) dysfunction. Concepts and skills are cumulative from PT 5710 and 6510 with continued enrollment dependent on mastery and use of previous concepts.

Prerequisites: PT 5710 and PT 6510.

6733 Motor Development and Enhancement Throughout the Lifespan (6-4-0). An in-depth study of the theories and concepts related to natural human development based on a neurokinesiological approach to motor development and motor control. Emphasizes the relationship of structure and function to the development of natural movement patterns and progression/regression throughout life stages.

Prerequisites: PT 5572, 5710, 5623, 6510, 6471.

6740 Physical Therapist Examination and Management of Neurosensory System Problems I (6-4-0). This is the first of two neurosensory system courses enabling the student to develop a beginning level of competency relating to pediatric (e.g., CP, spina bifida) and adult hemodynamic (e.g., brain attack) neurological physical therapist practice. The course offers laboratory learning experiences using direct patient care opportunities via adults and children from regional neurological disability support groups. Direct patient/client care opportunities are available through the use of experienced clinicians working with students in a clinical mentoring program.

Prerequisites: PT 5623, 5710, 6510.

7260 Physical Therapist Examination and Management of Multi-System Problems (2-0-0). This course culminates the five previous body system courses with an in-depth examination of and intervention strategies relating to clients/patients with integumentary, hematological, metabolic, and immune dysfunction; organ failure; genitourinary, endocrine, and GI dysfunction; in addition to traumatic, vascular and congenital amputations. Concepts and skills are cumulative and continued enrollment depends on mastery and use of previous concepts and skills.

Prerequisite: All previous body system courses.

7292 Research Seminar (2-0-0). The student physical therapist, under supervision of a physical therapist content advisor and research coordinator, works in their groups to begin the data collection phase of the research proposal including the approved proposal to safeguard the protection of human subjects. This course will culminate with completed data collection, analysis, and interpretation.

Prerequisite: PT 6291.

7293 Research Project (2-0-0). This course builds on the concepts and methods presented in PT 6290 Research Methods, PT 6291 Research Proposal, and PT 7292 Research Seminar. Students will complete the final phase of their research by submitting a final written product. The research project must demonstrate scientific inquiry and process, scholarship, originality, and critical analysis. The course will culminate in oral presentations to faculty and clinical physical therapy community and an AMA publishable research product.

Prerequisite: PT 7292.

7350 Physical Therapy Administration and Management II (3-0-0). This course builds on the foundation of PT 6450 Administration and Management I and begins the process of health care program planning, organizing, budgeting, marketing, and operation. Small groups of students will select a health care program to implement within the local community, based on research and inquiry, as determined by the needs and desire of the health care community recipient. This begins the actual application of management theories and principles covered in PT 6450. This course includes the use of peer group projects and experiential learning activities.

Prerequisite: PT 6450.

7351 Physical Therapy Administration and Management III (3-0-0). This course continues to build on the foundation of PT 6450 and 7350 Administration and Management I and II, with completion and presentation of the fully developed health care program to the local community of interest. The course continues to use peer groups and experiential learning activities.

Prerequisite: PT 7350.

7472 Clinical Practicum II (0-0-40). This second eight-week, full-time clinical experience is provided throughout clinical sites in North America. The experiences are structured to provide the student with the opportunity to develop clinical competence in the management of patients and clients with long-term (chronic) dysfunction.

Prerequisite: PT 6471.

Grading for this course is (P) Pass or (F) Fail.

7473 Clinical Practicum III (0-0-40). This final eight-week, full-time clinical experience is provided in a wide variety of health care settings throughout North America. This experience is designed to provide the student with the opportunity to develop advanced skills in the management of patients and clients, pursue a specialty interest area, or to practice in a unique setting. Site selection and clinical placement will depend on the student's previous academic and clinical experiences (academic standing, level of performance, input from faculty and clinical instructors, etc.).

Prerequisite: PT 7472.

Grading for this course is (P) Pass or (F) Fail.

THE SCHOOL OF EDUCATION

John J. Miazga, Jr., Ed.D., Dean

Degree Programs

Master of Education with a major in:

Educational Diagnostics

Guidance and Counseling

Reading Specialist

School Administration - Principal

Master of Arts in Curriculum and Instruction with
options in:

Elementary Education

Instructional Technology

Reading

Secondary Education

Special Education

Non-degree Programs

Instructional Technology Certificate of Competence

Master of Reading Teacher Certification

Superintendent Certification

SCHOOL OF EDUCATION

Professor, Dean, and Certification Officer: Miazga
Professors: Hademenos, Harvey, John, McCoulskey
Associate Professors: Hakes, Hines, Lowe
Assistant Professors: Eisenwine, Hadley, Tarver
Graduate Advisors: Guidance and Counseling, Tarver
School Administration and Superintendent, Lowe, Leifeste
Reading Specialist and Master Reading Specialist, Hines
Curriculum and Instruction Option I: Hakes
Curriculum and Instruction Option II: Hadley
Curriculum and Instruction Option III: McCoulskey
Curriculum and Instruction Option IV: Hines
Curriculum and Instruction Option V: Hadley

The School of Education presently offers several major programs in education leading to the Master of Arts in Curriculum and Instruction or Master of Education degree. Preparation leading to certificates offered by the State Board for Educator Certification (SBEC) is offered for educational diagnostician, master reading teacher, principal, reading specialist, school counselor, and superintendent. Through the Master of Arts in Curriculum and Instruction, advanced graduate preparation in instructional technology, reading, special education, elementary education, and secondary education is offered. Detailed descriptions of these programs follow.

Facilities. Special facilities are available to students in the graduate program in education. Local and area schools provide field laboratories in which a wide diversity of educational methods and procedures are utilized. Campus facilities include state of the art technology facilities including multimedia classrooms.

The graduate faculty in the School of Education are actively involved in research, development of new pre-service teacher education models, and in-service education programs throughout the region served by Angelo State University.

Admission Requirements. In addition to graduate school entrance requirements on page 378, the following admission requirements apply to Graduate Education Programs:

1. The applicant must hold a Texas Teacher Certificate or equivalent.
2. The applicant must take the Graduate Record Examination (GRE).
3. The applicant must have an acceptable score using the following formula: Undergraduate grade point average (UGPA) times 200 plus the scores on the verbal portion (V) of the GRE and the analytical portion (A) of the GRE.

$\text{UGPA} \times 200 + \text{V} + \text{A} > 1500$	Regular admission
$\text{UGPA} \times 200 + \text{V} + \text{A} > 1400 \text{ but } < 1500$	Provisional admission

Graduate Study in Education

The School of Education offers a wide variety of graduate programs leading to certification for administrators, counselors, educational diagnosticians, reading specialists, master reading teachers, and superintendents. These degree programs are for persons who hold a Texas Teacher Certificate. Students interested in pursuing the professional elementary or secondary teaching certificate should consult with the Dean of the School of Education.

Detailed degree plans offered by the School of Education appear below.

MASTER OF ARTS—CURRICULUM AND INSTRUCTION

Foundation Courses	SCH
ED 6310	3
ED 6322	3
ED 6331	3
ED 6351	3
ED 6391	3
Support Courses	
ED 6327	3
ED 6362	3
Specialization (Choose one of the options below.)	
Option I: Elementary Education	
ED 6300	3
ED 6302	3
ED 6303	3
ED 6304	3
ED 6305	3
Option II: Secondary Education	
ED 6309	3
Graduate Level Courses in Teaching Field(s).....	12
Option III: Special Education	
ED 6361	3
ED 6364, ED 6377	3
ED 6365	3
ED 6367	3
ED 6368	3
Option IV: Reading	
ED 6305	3
ED 6307	3
ED 6308	3
ED 6309	3
Linguistics 4310G, 6301, 6324	3

Option V: Instructional Technology	
ED 6332	3
ED 6333	3
ED 6334	3
ED 6335	3
ED 6336	3
ED 6339	3
Total SCH for Master of Arts in Curriculum and Instruction*	36

* Students choosing Option V: Instructional Technology will take ED 6322 (39 SCH program) or demonstrate competency in technology skills (36 SCH program). See the Option V graduate advisor for further details.

Thesis Option: Students choosing to present a thesis must visit with the appropriate advisor (according to the option chosen.) The total number of semester hours for the degree will be reduced to 30 and will include ED 6699.

MASTER OF EDUCATION—EDUCATIONAL DIAGNOSTICS

Foundation Courses	SCH
ED 6310	3
ED 6322	3
ED 6331	3
ED 6351	3
ED 6391	3
Specialization Courses	
ED 6361	3
ED 6362	3
ED 6364, ED 6377	3
ED 6365	3
ED 6367	3
ED 6368	3
ED 6348	3
ED 6369	3
Total SCH for Master of Education in Educational Diagnostics	39

MASTER OF EDUCATION—GUIDANCE and COUNSELING

Foundation Courses	SCH
ED 6310	3
ED 6322, ED 6373	3
ED 6331	3
ED 6351	3
ED 6362	3
ED 6391	3

Specialization Courses

ED 6343	3
ED 6344	3
ED 6345	3
ED 6346	3
ED 6347	3
ED 6349	3

Total SCH for Master of Education in Guidance and Counseling 36

MASTER OF EDUCATION—READING SPECIALIST

Foundation Courses SCH

ED 6310	3
ED 6322	3
ED 6331	3
ED 6351	3
ED 6391	3

Specialization Courses

ED 6305	3
ED 6307	3
ED 6308	3
ED 6309	3
ED 6373	3

Support Courses

Linguistics 6324, 6301, 4310G	3
ED 6362, ED 6379, ED 6368	3

Total SCH for Master of Education as Reading Specialist 36

MASTER OF EDUCATION—SCHOOL ADMINISTRATION
(Principals)

Foundation Courses SCH

ED 6310	3
ED 6322	3
ED 6331	3
ED 6351	3
ED 6391	3

Specialization Courses

ED 6313	3
ED 6315	3
ED 6371	3
ED 6373	3
ED 6374	3
ED 6379	3

Support Courses	
Area I: ED 6343, ED 6345, ED 6346	3
Area II: ED 6358.....	3
Internship Course	
ED 6619	6
Total SCH for Master of Education in School Administration (Principal)	45

Note: The Administrative Core consists of Ed 6310, 6313, 6315, 6322, 6358, 6373, 6374 and the Support Area courses. Twelve semester hours of the Administrative Core are required for the Temporary Administrator's Certificate.

After the completion of 12 semester hours, students are required to complete a departmental screening instrument.

MASTER READING TEACHER CERTIFICATION

Individuals seeking to fulfill the Master Reading Teacher Certificate (MRT) must hold a valid Texas Teacher Certificate; complete the courses listed below, and receive a passing score on the Master Reading Teacher ExCET. With regular admission to the graduate program, these courses can be applied to the Reading Specialist degree.

Master Reading Teacher Courses	
ED 6305	3
ED 6307	3
ED 6308	3
ED 6379	3
Total SCH for Master Reading Teacher Certification	12

SUPERINTENDENT CERTIFICATION PROGRAM

In addition to graduate school entrance requirements on page 378 and department requirements on page 458, the individual seeking admission to the Superintendent Certificate Program must hold the Principal's Certificate or its equivalent. The Superintendent Certificate Program is organized around a cohort group and admission to the program is based upon the space available in each cohort group. All work for the Superintendent Certificate Program is done in residence as part of a cohort group. After completing the required course work listed below, individuals must receive a passing score on the Superintendent ExCET.

Specialization Courses	SCH
ED 6383	3
ED 6384	3
ED 6385	3
ED 6386	3
ED 6388	3
Total SCH for Superintendent Certification	15

INSTRUCTIONAL TECHNOLOGY CERTIFICATE

This certificate (non-degree) program focuses on skill development in instructional technology in the school and other settings. Completion of the selected courses leads to an Angelo State University Certificate of Competency. Individuals interested in this program need not hold the Texas Teaching Certificate. Students choosing Instructional Technology will take ED 6322 or demonstrate competency in technology skills as a prerequisite for the program. See the graduate advisor for further details.

Specialization Courses	SCH
ED 6332	3
ED 6333	3
ED 6334	3
ED 6335	3
ED 6336	3
ED 6339	3
Total SCH for Instructional Technology Certificate	18

PRACTICUMS

Application for all practicum courses must be made at least one semester in advance. These programs are designed to meet the academic requirements for the appropriate certificate. Certification also requires a minimum of two years of successful teaching experience in a school accredited by the Texas Education Agency. In addition, the candidates for certification must present a passing score on the required ExCET.

ExCET Eligibility Procedures and Registration:

In order for graduate students at Angelo State University to be eligible to take the Examination for the Certification of Educators in Texas (ExCET), they must satisfy the applicable State minimum requirement as well as departmental requirements, and complete the specified registration procedure.

Minimum State Requirements:

To be eligible to take the ExCET, a student must:

1. Have completed the approved certification program requirements, or
2. Be enrolled in the last semester of the certification program, or
3. Be in the spring semester prior to summer completion of the program requirements.

Program Eligibility Requirements:

1. Mid-Management: To receive approval to register for the ExCET for Mid-Management, the student must have completed all program requirements except ED 6619.
2. School Counseling: To receive approval to register for the ExCET for School Counseling, the student must have completed all program requirements except ED 6349 or ED 6649.
3. Educational Diagnostician: To receive approval to register for the ExCET for Educational Diagnostician, the student must have completed all program requirements except ED 6369.
4. All other graduate certification programs: The student will have completed at least 33 hours of the program.

ExCET Registration Procedure:

The registration procedure to be followed by all graduate students in obtaining approval to take the ExCET through Angelo State University are:

1. The graduate student must report to the appropriate graduate program advisor to determine eligibility.
2. Eligible graduate students will be issued upon request an ExCET Registration Bulletin by the School of Education. This Bulletin contains a registration form to be completed by the student and submitted to the certification secretary in the School of Education for the affixation of the required bar code. The graduate student will also submit the pre-addressed envelope (found in the registration bulletin) including correct postage and a check or money order for the appropriate amount payable to NES.
3. The certification secretary will place the required articles in the envelope and mail it to NES.

Additional Certificates

Students pursuing a professional certificate on a certification plan may use previous graduate course work to fulfill certification requirements. All work must be completed within a period of six years from the earliest credit to be counted on the certification plan. Under certain circumstances, a time extension of up to four years may be granted on a course by course basis.

If a time extension for one or more courses is desired, a written application must be presented to the program advisor appropriate to the certification plan. It must explain (1) why the certification plan was not completed in a timely manner, (2) a schedule for completing the certification plan, and (3) information indicating that the student's knowledge of the subject matter in each course for which an extension is requested remains current.

Time extensions are not routine. Courses taken more than 10 years before the completion of the certification plan are almost never allowed to be used toward the plan. Additional courses are frequently assigned to the student who has not completed the certification plan requirements within the six-year time limit.

Graduate Courses in Education

6300 Language Arts in the Elementary School (3-0). Designed to examine the various approaches and current issues in the teaching of language arts in the elementary classrooms, including an intensive study of design, methodology, assessment, and materials.

6302 Development of Social Studies Concepts in the Elementary School (3-0). Designed to explore the concepts from the social sciences which may be taught in the elementary school social studies curriculum and to provide intensive study in designing teaching strategies for teaching those concepts.

6303 Inductive Methodology in Elementary School Science (3-0). The method of induction developed and applied to specific science subject areas. A field experience component will be required.

6304 Development of Mathematical Concepts in the Elementary School (3-0). Designed to help the elementary teacher develop competencies and teaching strategies for teaching mathematical concepts in the elementary school. A field experience component will be required.

6305 Approaches to Teaching Reading (3-0). Various approaches to reading instruction are studied including basal, whole-language, literature-based, and individualized with computer-assisted instruction. Basic concepts and principles of reading instruction are examined.

6307 Corrective Reading (3-0). Examines causal factors of reading disabilities. Informal and formal diagnostic procedures in reading instruction are explored. Corrective reading strategies and techniques are discussed.

Prerequisite: Education 6305 or equivalent.

6308 Laboratory Practicum in Reading (3-0). Diagnosis of reading needs and appropriate instruction by students under supervision. Exploration of reading specialist role also included.

Prerequisites: Education 6305 and 6307 or consent of instructor.

6309 Teaching Reading in the Content Field (3-0). Focuses upon the teaching of reading skills in the content areas. Comprehension, critical thinking, and study skills are emphasized.

6310 Curriculum and Methodology Trends (3-0). Designed to explore elementary and secondary school curriculum and instructional trends as well as current controversies in education.

6313 Central Office Administration and Business Administration (3-0). Designed to acquaint the student with central office procedures concerning the management and coordination of the various schools in the school district.

6315 Problems of Instructional Supervision (3-0). Designed to acquaint students with current literature regarding instructional supervision including such topics as theories of leadership, communication, change, organization, and decision making.

6322 Microcomputers in Education (3-0). An introduction to microcomputer applications and technology for experienced educators with emphasis upon the practical application of the technology to the educator's work environment. Major topics include (1) designing microcomputer environments in the schools, (2) selecting and evaluating hardware and courseware, (3) developing computer literacy curriculum, and (4) managing and supervising school computer programs. Hands-on experience with microcomputer hardware and software will be stressed.

6327 Social and Cultural Influences on Learning (3-0). Designed to present a broad base of knowledge about culture and learning. Approaches, materials, and research will be investigated. Specific skills for identifying learning problems and solving them through classroom instruction will be featured.

6331 Tests and Measurements in the School (3-0). A study of typical methods of measuring intelligence, achievement, special aptitudes, and personality. Emphasis is placed on the interpretation and use of tests. Elementary statistical terms and processes are studied.

6332 Computers in Instructional Settings (3-0). Study of computer applications, both automational and transformational, in instructional settings. Emphasis will be placed on the application of word processing, spreadsheets, telecommunications, presentations, Internet, and desktop publishing in instructional settings.

Prerequisite: Education 6322 or demonstrated proficiencies.

6333 Computer Networks for Instructional Environments (3-0). Study of computer networks used in support of education and training. Includes topics in network topologies, LAN, WAN, Internet, and web authoring, including the use of web authoring software. Emphasis on network technologies in educational environments, and the training environments of business and the military.

Prerequisites: Education 6322 or demonstrated proficiencies.

6334 Designing Instructional Resources (3-0). The study and analysis of models of learning systems as they apply to the development of instructional training programs and resources. Emphasis on advanced instructional techniques, including questioning, discussion, problem-solving, motivation and instructional development as applied in CAI and authoring systems.

Prerequisites: Education 6322 or demonstrated proficiencies.

6335 Technological Media in Instructional Settings (3-0). Study and practical application of methods to prepare, select, develop and use instructional materials, media and visual aids. Includes principles of communication, concepts in computer graphics, graphics input systems, digitized video, digital cameras, interactive video, graphics manipulation software, and graphics output systems. Includes effective communication skills with emphasis on introduction, questioning, and summary strategies as well as the use of basic media commonly used in technical presentations and the use of graphics manipulation software and presentation software.

Prerequisites: Education 6322 or demonstrated proficiencies.

6336 Instructional Design (3-0). Study of the theory and principals of instructional design as applied to Web based courses. The focus will be the development of a virtual course applying the principles of instructional design.

Prerequisites: Education 6322 or demonstrated proficiencies.

6339 Practicum in Instructional Technology (2-0-6). Designed to provide experience in implementing instructional technology. Students will produce an electronic portfolio demonstrating mastered proficiencies.

Prerequisite: Permission of the graduate advisor.

6343 School Counselor: Seminar I (3-0). An introduction and orientation to guidance and counseling, emphasizing counseling communication skills and legal and ethical issues.

6344 School Counselor: Seminar II (3-0). A continuation of Education 6343 emphasizing group dynamics and human behavior.

6345 Guidance Program in Today's School (3-0). A study of the organization and administration of guidance and counseling programs, including the purposes, scope, concepts, principles, and personnel of these programs.

6346 Techniques in Counseling (3-0). A study of techniques and methods used by counseling personnel to help students individually and in groups with educational planning, vocational choice, and interpersonal relations.

6347 Career and Occupational Counseling (3-0). A study of the basic principles related to educational-vocational planning, including practical experiences in administering, reviewing, and evaluating occupational and career standardized data profiles.

6348 Individual Testing (3-0). Administering, scoring, and interpreting selected individual intelligence tests and other appraisal instruments by students under supervision.

Prerequisites: Education 6331, 6365, and permission of instructor.

6349, 6649 Practicum in Counseling. Three or six semester hours of supervised practical experience under the supervision of a certified and/or Licensed Professional Counselor. Education 6349 (150 clock hours) meets the requirements for the professional certificate in school counseling required by the Texas Education Agency. Education 6349 (150 clock hours) and Education 6649 (300 clock hours) meet the requirements established by the Texas State Board of Examiners of Professional Counselors.

Prerequisite: Permission of the graduate advisor.

6351 Human Growth and Development (3-0). A study of human development through the life span, with emphasis on childhood and adolescence including physiological, social, emotional, cognitive, language, and cultural influences.

6352 Abnormal Behavior of Children (3-0). The study of children's behavior with emphasis on problems manifested in the school, home, and community. Biological, ecological, and social factors related to disorders, treatment options in the community, school, and residential placement will be studied.

6357 School Supervision (3-0). An exploration of supervision strategies, techniques, and functions focusing upon staff development, curriculum organization, and instructional program management. A major field project in supervision is required.

Prerequisite: Permission of the Graduate Advisor.

6358 Role of the Principal in Instructional Leadership and Appraisal (3-0). Training in the role of the principal as instructional leader and appraiser focusing on strategies, techniques, and functions of leadership and appraisal of teachers. This course fulfills state standards for the preparation of individuals as appraisers of public school teachers.

6361 Psychology of Mentally Retarded Children (3-0). Nature and types of mental deficiency and retardation, measurement of defective intelligence, mental and personality development, school-home leadership, and discipline of the mentally retarded.

6362 The Education of Exceptional Children (3-0). A survey course in basic principles of special education for the orthopedically handicapped, mentally retarded, deaf or hard of hearing, speech defective, crippled, emotionally handicapped, or gifted child.

6364 Special Methods and Materials for Teaching Mentally Retarded Children (3-0). Special techniques required for teaching mentally retarded children: adaptation of the curriculum, preparation of case records, special methods, materials, and therapies. A field experience component will be required.

Prerequisite: Education 6362.

6365 Appraisal of Learning Disabilities (3-0). Designed to provide a working knowledge of the diagnostic techniques in assessment of special learners. Emphasis is upon learning difficulties which tend to influence school performance adversely.

Prerequisite: Education 6362.

6367 Teaching Children with Learning and Behavioral Disorders (3-0). A study of the characteristics of children with learning and behavioral disorders and the influence they exert on the peer group behavior. Grouping and special classroom management techniques will be presented. Investigation of means to motivate children in cognitive, affective, and psychomotor learning will be undertaken. A field experience component will be required.

Prerequisite: Education 6362.

6368 Language Disorders of Children (3-0). A study of the language and behavioral symptomatology of language-impaired children. Linguistics, sociological, and psychological influences on oral and written language behavior are explored. Techniques will be presented to screen for aphasia and central auditory disturbances. A field experience component will be required.

Prerequisite: Education 6362.

6369 Laboratory Practicum in Special Education. Designed to provide students with experience in diagnosing and remediating special education problems.

Prerequisites: Education 6362 plus an additional six hours in special education and the consent of the instructor.

6371 Role of the Principal in School Administration (3-0). Designed to acquaint the student with the organization, program, curriculum, plant supervision, and education procedures for the elementary, middle, and senior high school.

6373 Federal, State, and Local School Law (3-0). Designed to explore the field of knowledge of federal, state, and local school laws pertinent to school administration and to facilitate effective decision making in this area of school administration.

6374 Administration and Supervision of Special Programs (3-0). Designed to acquaint the students with knowledge, roles, and responsibilities of personnel responsible for special programs: special education, compensatory education, vocational-technical education, career education, and at-risk student programs.

6377 Problems in Treatment of Mildly Handicapped Students (3-0). Special problems related to the treatment of learning disabled, behavior disordered, and/or mildly mentally retarded students. The course is designed to provide a working knowledge of treatment alternatives.

6379 Management and Supervision of Reading Programs (3-0). Designed to explore the management and supervision of a school district's reading program. Administrative and supervisory techniques for developing and improving the K-12 reading curriculum are emphasized.

6381 Special Topics (3-0). A study of selected topics in education. (May be repeated once for credit when topic varies.)

6383 School-Community Relationships (3-0). Designed to cover the principles, philosophy, and techniques for improving the educational program through school-community action. Special attention is given to the roles of the school administrator in coordinating school-community experiences.

6384 Public School Finance (3-0). Designed to develop knowledge and skills related to school budget procedures, accounting, revenues, state and county finance, and problems relating to financing public education.

6385 Human Relationships in Educational Administration (3-0). Designed to acquaint the student with the administrator's professional relationships with teachers, parents, pupils, and other educational leaders within the district.

6386 School Plant Planning and Maintenance (3-0). A study of the problems facing the school administrator in determining school building needs, planning for facilities, determining responsibilities of architects and contractors, equipping and furnishing of school buildings, and maintaining and redesigning existing buildings.

6388 Superintendent Internship in Education. Guided experiences in central office administration under the supervision and direction of a central office administrator and a university professor. The internship can only be taken as the final course in the superintendent's certification program.

Prerequisite: Permission of graduate advisor.

6391 Research (3-0). The types and methods of educational research. The student is expected to complete a research project or field study utilizing appropriate methods of educational research.

6393 Individual Research. A specialized course which may be directed reading or research for superior students under the direction of a graduate faculty member. (Course may be repeated only with departmental approval.)

6619 Practicum in School Administration (6-0). Designed to provide a field experience in school administration with emphasis on instructional leadership at different campus grade levels, public relations, personnel administration, and business management. Special seminars on selected topics, cooperatively designed by graduate advisor and public school administration, will be required.

Prerequisite: Permission of graduate advisor.

6699 Thesis.

SPECIAL DEGREE PROGRAM

Under the Direction of Carol B. Diminnie, Ph.D.

Dean of the Graduate School

Master of Arts with a major in Interdisciplinary Studies.

Master of Science with a major in Interdisciplinary Studies.

The program leading to the Master of Arts (MA) or Master of Science (MS) degree with a major in Interdisciplinary Studies is designed for the student whose educational needs can best be met by a nontraditional course of study. The MA or MS degree designation will be determined by the department in which the student chooses to take his or her research course. The objective of the program is to provide students with the opportunity to pursue graduate-level studies in multiple disciplines, to upgrade their formal education in their fields of specialization, and to develop broader professional skills. With the exception of Physical Therapy, any of the graduate disciplines at Angelo State University may be selected for one of the concentrations, if the applicant has the appropriate undergraduate background in that discipline. The degree is not a substitute for the traditional master's degree, but it should benefit persons pursuing or planning to pursue careers in business, government, and non-profit organizations in a constantly changing society where new career interests may extend over several traditional specializations.

Admission requirements. In addition to the general requirements for admission to the Graduate School listed on page 378, an applicant must submit a written proposal in which the three areas of proposed concentration are identified, give a rationale for choosing this particular grouping of disciplines, and describe how this degree will serve to meet the applicant's goals. It is strongly recommended that the applicant meet with the Dean of the Graduate School before writing this proposal. To be considered for Regular admission, an applicant needs to score at least 1900 points in the formula: (undergraduate GPA times 200) + all three subscores of the Graduate Record Exam.

The applicant's dossier will be sent to the program advisor of each of the three concentrations named in the written proposal for a recommendation for admission. No student will be admitted unless all three program advisors so recommend. The advisors will also indicate which of their program's courses are allowable as part of the student's degree plan. The final admission decision rests with the Dean of the Graduate School.

Degree requirements. The Dean of the Graduate School will serve as the coordinator for this degree program and will advise all students in the program in accordance with the student's individual goals and the guidelines established by the academic departments. The Dean will assist each student in devising a degree plan before the student enrolls in courses.

The 36 semester credit hour degree plan will include at least 30 semester hours selected from approved courses offered by at least three departments. At least nine semester credit hours must be taken in each of the three departments selected, and a course in research methods must be taken in one of those departments. The other six semester credit hours of the required 36 may include any graduate courses for which the student has sufficient background and may be from any of the three selected disciplines, as long as the number of semester credit hours in any one discipline does not exceed 12.

An Advisory Committee consisting of the Graduate Dean and the program advisor from each of the three disciplines will administer an oral comprehensive examination during the last long semester of study.

INDEX

Absences, Student	144
Academic Honesty	144, 384
Academic Organization	181
Academic Probation	147
Academic Program Inventory	178
Academic Regulations	129
Academic Retention and Suspension	146
Academic Services	175
Academic Standing	147, 384
Accounting Course Descriptions	185, 395
Accounting Economics and Finance, Department of	183, 393
Accreditation	2
Administrative Officers	16
Administrative Staff	17
Admission to the University	46, 383
Admission to the Graduate School	379
Admission to the Nursing Programs	322, 332, 440
Advanced Placement	140
Advisory Committee	387
Aerospace Studies Course Descriptions	193
Aerospace Studies, Department of	192
Agriculture Course Descriptions	292
Agriculture, Department of	289, 430
Agronomy Course Descriptions	292
Aid, Financial	91, 112
Assistantships, Graduate	377
Grants	117
Loans	115
Scholarships	91
Vocational Rehabilitation	117
Air Force Scholarships—ROTC	93, 192
American College Test (ACT)	46, 47, 49, 50, 51, 52, 125, 130, 136
Fee	58
Americans With Disabilities Act	121
Animal Science Course Descriptions	293, 431
Application for a Degree	149, 389
Art and Music, Department of	219
Art Course Descriptions	222
Athletics	124
Intercollegiate	124
Intramural	125
Attendance Regulations	144, 145
Auditing Courses	58, 142
Baccalaureate Degree Program Inventory	178
Biology Course Descriptions	300, 435
Biology, Department of	296, 434
Biology Graduation Requirement MFAT	297
Board of Regents, Texas State University System	15
Business Administration Course Descriptions	198, 399
Business Administration, Department of	196, 397
Calendar, University	7

Career Development	118
Charges	
Fees and Deposits	55, 56, 57, 58, 59
Room and Board	64, 65, 66
Tuition	55
Chemistry Course Descriptions	310, 438
Chemistry and Biochemistry, Department of	306, 438
Class Attendance	144
Classification of Students	129
College Level Examination Program (CLEP)	137
College of Business and Professional Studies	182, 392
College of Liberal and Fine Arts	218, 404
College of Sciences	288, 429
College Year (Definition)	129
Communication Course Descriptions	235, 407
Communications, Drama, and Journalism, Department of	233, 405
Comprehensive Examination	388
Computer Science Course Descriptions	208
Computer Science, Department of	206
Continuing Studies, Division of	127
Correspondence and Extension, Credit for	141, 386
Counseling	121
Courses	
Maximum Load	133, 385
Numbering of	132, 387
Credit by Examination	135
Credit by Transfer	48, 53
Credit for Experience	142, 386
Criminal Justice	260
Criminal Justice Course Descriptions	261
Dean's List	148
Degree Plan	149
Graduate	384
Degree Requirements	149, 390
Associate in Applied Science in Nursing	173
Bachelor of Arts	153
Bachelor of Business Administration	164, 165
Bachelor of Fine Arts	157
Bachelor of General Studies	159
Bachelor of Music	162
Bachelor of Science	168
Bachelor of Science in Nursing	172
Master of Arts	405, 409, 413, 416
Master of Arts in Curriculum and Instruction	459
Master of Business Administration	393, 397
Master of Education	460
Master of Physical Therapy	444
Master of Public Administration	412
Master of Science	401, 422, 430, 434
Master of Science in Nursing	440
Deposit	
General	59, 61
Residence Hall	62

Developmental (Pre-collegiate) courses	131, 151, 250, 316
Disabled Students	44, 121
Double Major	151
Drama Course Descriptions	239
Dropping Courses	145, 385
Early Childhood Course Descriptions	356
Economics Course Descriptions	186, 395
Education Course Descriptions	358, 464
Education, School of	348, 457
Educational Opportunity Grants	117
Educational Opportunity Services	175
Educational Psychology Course Descriptions	356
Electrical Engineering Program	343
Employment	117, 118
English as a Second Language	356, 420
English Course Descriptions	250, 410
English, Department of	247, 409
English Requirement	132, 151, 250
Enrollment Without Credit	142
Ethnic Studies	362
Examinations, Graduate	
Comprehensive	388
GMAT	376, 379, 380, 383
GRE	376, 379, 380, 383
Excess Undergraduate Credit Hours	134
Experiential Credit	142
Faculty	20
Fees	
American College Testing Program	58
Auditing	58
Computer Access and Service Fee	56
General Deposit	59
Graduate School Application	58
Graduation	58
International Education	56
Laboratory	57
Late Registration	58
Local Tuition	56
Medical Services	56
Nursing Achievement Tests	58
Parking	59
Physical Activity	57
Private Instruction in Music	57
Publications	56
Records Maintenance	56
Student Services	56
Teacher Certification Deficiency Plan Fee	59
Tuition	55, 56
Thesis	57
University Center	57
Finance Course Descriptions	189, 396
Food Science Course Descriptions	295, 433
Foreign Students	51

Special Admission Requirements	383
French Course Descriptions	273
Freshman Student (Definition)	129
Full-time Student (Definition)	385
Geography Course Descriptions	270
Geology Course Descriptions	346
German Course Descriptions	275
Government Course Descriptions	257, 414
Government, Department of	254, 412
Internship Program	255, 413
Grade Grievance Policy	143
Grade Point Average (GPA)	47, 147
Grade Point Requirements	146
Grading System	142, 377, 386
Graduate Assistantships	377
Graduate Council	364
Graduate Equivalency Diploma (GED)	49
Graduate Faculty	365
Graduate Management Admission Test (GMAT)	376, 379, 380, 383
Graduate Record Examination (GRE)	376, 379, 380, 383
Graduate Program Inventory	178
Graduate School	363
Graduation Exercises	149, 389
Graduation with Honors	150
Graduation Requirements	149
Grants	117
Heads of Instructional Departments	15
Health Clinic	120
Health Insurance	67
History Course Descriptions	267, 417
History, Department of	264, 416
History of the University	42
Honor Societies	123
Housing (See also Residence Halls)	62
Policy	63
Housing Staff	19
Houston Harte University Center	121
Information Technology	175
Interdisciplinary Child Development and Learning	352
Interdisciplinary Studies	470
International Education Program	140
International Studies	413
Insurance	52, 67, 384
Integrated BBA/MBA	184, 393
Intramurals	125
Inventory of Academic Programs	178
Journalism Course Descriptions	243
Junior Student (Definition)	129
Kinesiology Course Descriptions	214, 402
Kinesiology, Department of	211, 401
Laboratory Fees	57
Language Learning Center	176
Late Registration Fee	58

Library, Porter Henderson	176
Library Staff	19
Linguistics Course Descriptions	278, 421
Load, Academic	385
Loans	115
Major, Selection of	150
Major, Multiple Discipline	160
Management Course Descriptions	200, 399
Management Information Systems Course Descriptions	202
Marketing Course Descriptions	204, 400
Mathematics Course Descriptions	317
Mathematics, Department of	313
Mathematics Requirements	132, 151, 316
Mathematics Labs	176
Maximum Load	133, 385
Medical Technology Course Descriptions	305
MFAT	297
Military	192
Modern Languages, Department of	271, 420
Music Course Descriptions	227
Name Change	132
Non-degree Status	381
Nursing Course Descriptions	
Associate	328
Baccalaureate	336
Graduate	441
Nursing, Department of	320, 440
Organizational Chart	15
Organizations	123
Orientation Program	119
Parking Fee	59
Part-time Student (Definition)	129
Payments	59
Residence Hall	65, 66
Personal Standards	46
Philosophy Course Descriptions	263
Physical Activity Course Descriptions	213
Physical Activity Fee	57
Physical Science Course Descriptions	345
Physical Therapy Course Descriptions	452
Physical Therapy, Department of	444
Physics Course Descriptions	344
Physics, Department of	339
Placement, part-time employment	117
Pre-Professional and Two-Year Programs	179
Nursing, Associate degree	327
Predental and Premedical	297, 309
Pre-Engineering	342
Pre-Law	257
Pre-Pharmacy	309
Preoccupational Therapy	297
Pre-Physical Therapy	213, 281, 298, 309, 343
Preveterinary	292

Preview ASU	119
Probation and Dismissal	384
Psychology Course Descriptions	281, 424
Psychology and Sociology, Department of	280, 422
Psychology Internship	284
Public Administration	412
Range and Wildlife Management Course Descriptions	295, 431, 433
Reading Course Descriptions	357
Reading Specialist	458
Recognition Societies, National	123
Recreational Activities	125
Refunds	61, 67
Registration (See University Calendar)	7
Registration of Undergraduates in Graduate Courses	380
Regulations	
Academic	129
Class Attendance	144
Student Life	126
Religious Organizations	124
Remedial Courses (See Developmental Courses)	131, 151, 250, 316
English/Writing/Reading	250
Mathematics	316
Research Assistantships	378
Residence Halls	62, 63, 64, 120
Charges	65
Counseling	121
Insurance	67
Payments	66
Reservations	62
Schedule	67
Withdrawal from	68
Residence Life	46
Residence Requirement	63, 386
Resident Status	68
Responsibility, Student	148, 378
Room and Board Rates	65, 66
ROTC Activities	193
Russian Course Descriptions	278
San Angelo, City of	42
Schedule Changes	145
Scholarships	91, 377
Carr Academic Scholarships	91, 376
Carr AFROTC Scholarships	93, 192
Scholastic Assessment Test I (SAT I)	46, 47, 49, 50, 51, 52, 125, 130, 136
School of Education	347, 458
Second Baccalaureate Degree	151
Second Master's Degree	389
Semester Credit Hour (Definition)	129
Senior Courses for Graduate Credit	380
Senior-Graduate Status	381
Senior Student (Definition)	129
Senior Student Enrolled in Graduate Courses	381
Social Fraternities	123

Social Sororities	123
Social Studies	257, 266
Sociology Course Descriptions	286
Sociology, Internship.....	284
Sophomore Student (Definition)	129
Spanish Course Descriptions	277
Special Degree Program.....	470
Special Education Course Descriptions.....	357
Special Education Endorsement	353, 354
Student Body	122
Student Conduct.....	126
Student Financial Aid	91
Student Life Program and Services.....	119
General Statement.....	126
Student Organizations	123
Student Records, Access to	122
Student Residence Status	68
Student Responsibility	148, 378
Student Teaching Course Descriptions	360
Students with Disabilities	121
Supporting Concentrations	154, 166, 169
Suspension	
Academic.....	146, 147
System of Grading	142
Table of Contents	5
Teacher Certification	
Admission to the Teacher Education Program.....	348
Approval for Supervised Student Teaching	349
Certification Program Inventory	179, 180
Recommendation for Certification	351
Superintendent Certificate.....	462
Teaching Assistantships.....	377
Teaching Fields	155
Telephone System.....	68
Tests/Testing	
American College Test (ACT).....	46, 47, 49, 50, 51, 52, 125, 130, 136
College Board Advanced Placement Test	140
College Level Examination Program (CLEP).....	135
Examination for the Certification of Educator in Texas (EXCET).....	350, 463
Graduate Management Admission Test (GMAT).....	126, 376, 379, 380, 383
Graduate Record Examination (GRE)	126, 376, 379, 380, 383
Scholastic Aptitude Test (SAT)	46, 47, 49, 50, 51, 52, 125, 130, 136
Test of English as a Foreign Language (TOEFL)	51, 383
Texas Academic Skills Program (TASP) Test	125, 130, 131, 250, 316
Textbooks	59
Thesis	388
Time Limit.....	150, 387
Transfer Credit.....	54, 131, 386
Transfer Students	53
Transient Status.....	381
Tuition and Fees	55
Tuition and Mandatory Fee Installment Policy.....	59
Tuition Rebates.....	62

Undergraduate Receiving Graduate Credit	380
Undergraduate Program Inventory	178
University Center	121
University Studies Courses	205, 361
University Studies Program	361
Veterans Affairs	121
Vocational Rehabilitation Aid	117
Withdrawal from a Course	145, 385
Withdrawal from the University	146, 386
Work-Study Program	117

